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CHEMIST and DRUGGIST

APRIL 11, 1942



The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

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APRIL 11, 1942

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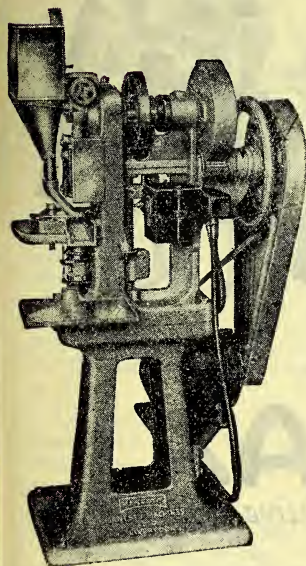
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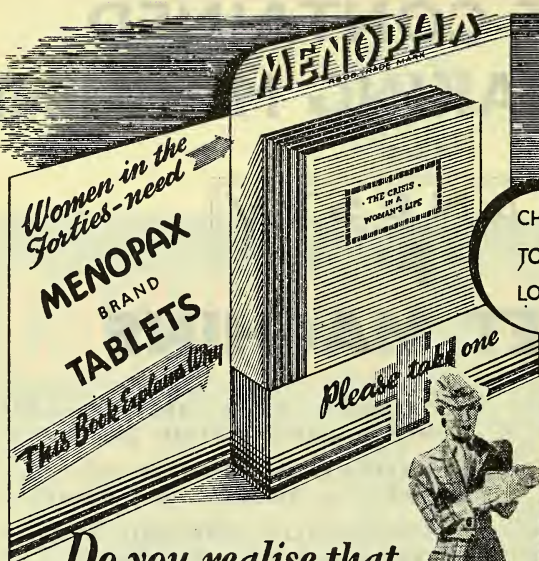
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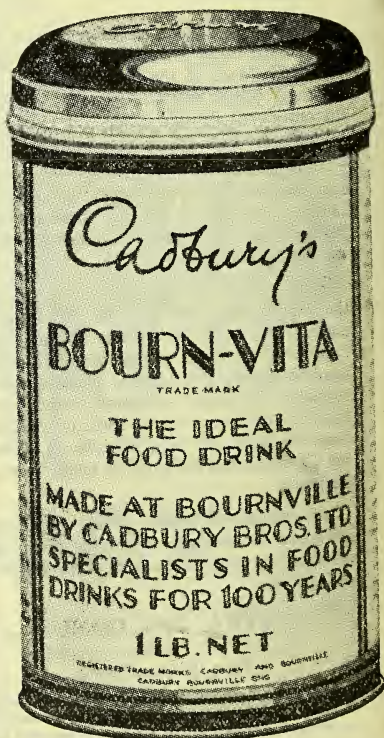
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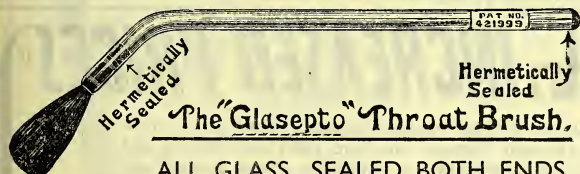
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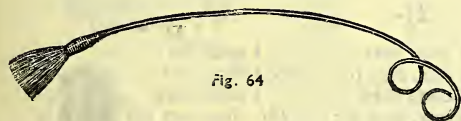
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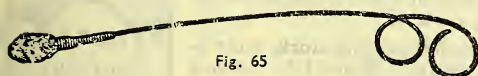
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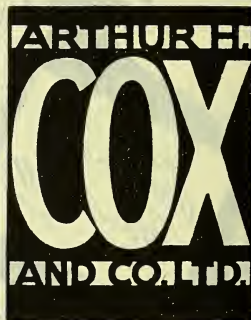
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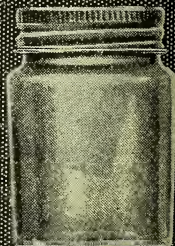
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LARGE SIZE

**New
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Price** **1/6**
(Including Purchase Tax)

Owing to the increased cost in the production of the large size Fynnon Salt it has been reluctantly decided to increase the retail price to the public to 1/6d. including Purchase Tax, as from April 1st, 1942.

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"SMALLS" PRICE per Doz. 12/3
(Available through Wholesaler)

INTERMEDIATE DISPLAY PRICE . 11/10
(Available direct)

BEST DISPLAY PRICE 11/4
(Only available direct)

PURCHASE TAX 2/0½ per dozen.

The above revision in price and Trade Terms have been arranged in accordance with the provisions of the Prices of Goods Act.

To conserve cardboard used for packing we can in future only accept direct orders for six dozen lots of the 1/6d. size — or multiples of six dozen. We feel sure that this will involve no real inconvenience.

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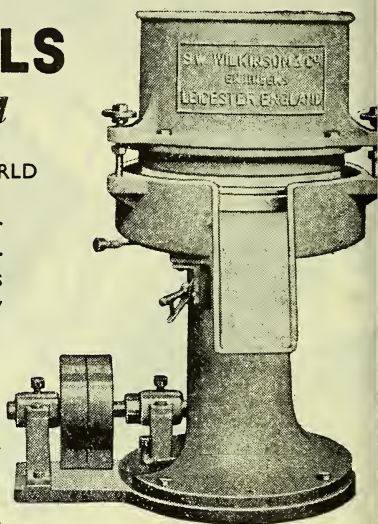
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MASON'S

EXTRACT OF HER

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London prices to the Trade (subject)



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NEWS OF THE WEEK

Licences under D.D.A.—Applicants for import or Export Licences under the Dangerous Drugs Acts should submit their applications and fees direct to the Finance Branch, Home Office, Trouville Hotel, Gory Road, Bournemouth, Hants.

Points Coupons for Breakfast Foods.—April 7 the points rationing scheme was extended to take in cereal breakfast foods. Containers of 8 oz. and under, two points are required. Three points are needed for containers of over 8 oz. and up to 12 oz., and four points for containers of over 12 oz. See also p. 414.

Sales of Fertilisers.—The Minister of Supply has made the Control of Fertilisers (No. 20) Order, 1942, which limits until June 15 forward sales of triple or other superphosphates, potash or basic slag, or compound fertiliser containing these materials. Retail distributors may only supply for application to the land by the buyer on or later than June 30 while manufacturers and wholesale distributors may not sell after that date.

Extra Soap for Babies.—From April 6 any mother with a baby up to twelve months old is entitled to an extra ration of soap. Application should be made to the local food office.

Open General Licence Revoked.—Notice to Importers, No. 151, issued by the Import Licensing Department of the Board of Trade, states that the open general licence permitting the importation without separate licence of "bristles of the pig, hog or boar, of the kinds specified in Part 3 of the Customs and Excise Tariff dated January 1, 1940, Exemptions Group V (2) or Group IX (2) (i)" consigned from British India has been revoked with effect from April 6. On and after that date, therefore, separate licences will be required for the importation of such bristles from British India, even where consignments are already en route to this country. Applications for import licences should be completed on the official form obtainable from the Import Licensing Department or from the offices of Collectors of Customs and Excise and should be addressed to the Import Licensing Department,

and should make clear whether the goods are already afloat or not. Inquiries should be addressed to the Import Licensing Department or to the Raw Materials Department, Ministry of Supply, The Castle, Warwick.

Control of Nuts.—The Minister of Food has made an Order, which came into force on April 1, consolidating the provisions of the Nuts (Maximum Prices) Order, 1941, and the Nut Kernels (Control and Maximum Prices) Order, 1941, which are now revoked. The Order provides that no person shall buy or sell nuts or nut kernels of any description, whether processed or unprocessed, mixed with other nuts or nut kernels, whether processed or unprocessed, or with any article other than nuts, nor use any nuts as an ingredient in any manufactured product except: (1) a "classified product" under the Sugar Confectionery or Chocolate and Chocolate Confectionery Maximum Prices Orders; (2) medicine and any pharmaceutical preparation, etc., maximum prices are laid down in the Order for nuts and nut kernels.

Export Licensing.—Collapsible containers of lead or tin, manufactures of cork, and a number of additional chemicals are among articles that will be subject to export control on and after April 21 under the Export of Goods (Control) (No. 15) Order (S.R. & O. 1942, No. 578) made by the Board of Trade. Copies of the Order, price rd., will shortly be available from H.M. Stationery Office or through booksellers. Licences will, in future, be required to export the following classes of goods to all destinations. Containers, collapsible, wholly or mainly of lead, tin or alloys containing either of those metals; manufactures containing 10 per cent. or more by weight of cork; butyric acid and its salts and esters and preparations thereof; diethanolamine; gas detector paint; iron oxides; monoethanolamines; tin oxides, whether hydrated or not; and triethanolamine. Applications to export manufactures containing 10 per cent. or more by weight of cork and gas detector paint will not normally be entertained. The existing licence requirements with respect to (a) chromium compounds and (b) lead acetate, lead arsenate, lead chromate and pigments containing lead chromate, and lead tetra-ethyl and mixtures containing lead tetra-ethyl are superseded by the provisions that licences will, in future, be required to export the following: (a) chromium compounds (other than barium and zinc

chromates) and preparations thereof (except distempers, lacquers, varnishes, paints, painters' enamels, prepared or ready mixed and pigments containing lead chromate); (b) lead compounds; mixtures containing lead tetra-ethyl and (to certain specified destinations) pigments containing chromate. Hexamine, the exportation of which was previously prohibited to destinations outside the British Empire, will require licences for all destinations.

Encouraging Part-time Workers.—Part of a general plan to encourage fullest possible use of part-time workers by the Ministry of Labour and National Service has made a Regulation under which from April 13, employers and workers be relieved from unemployment insurance contributions and will be excluded from the operation of the Essential Works Order in the case of employment begun on or after September 3, 1939, where the employer does not involve more than thirty hours work in any week, and the services rendered are such as, in the Minister's opinion, not ordinarily performed, or would be but for circumstances arising out of war, ordinarily be performed by persons rendering not more than thirty hours service per week. Unemployment insurance contributions paid in respect of part-work of this nature before April 13 remain valid.

Equipment of First-aid Posts.—The Minister of Health has issued new schedule authorising equipment for first-aid service. Tannic acid jelly has been replaced as dressing by yellow soft paraffin. Albinol (p-aminobenzenesulphonamide) is no longer to be used in the treatment of mustard gas lesions of the eye. In first-aid posts and gas cleansing centres, Liquor antisepticus replaces liq. cresol. (D.M.54) when central supplies of the latter became exhausted, and a small supply of liquor antisepticus (liquor chloroxylenol) the National War Formulary) is being sent to each post. Adhesive plaster is to be renewed. The following are the items scheduled:—

Adrenaline solution, 2 oz.; Alopon, two four 1-cc. ampoules; aromatic spirit of ammonia, 1 lb.; boric acid solvella, 100; calamine lotion, 12 oz.; chloroform, $\frac{1}{2}$ lb.; copper sulphate tablets, gr. 4.37, 100; solution of cresol soap (later to be substituted with antiseptic solution), 12 oz.; ergometrine tablets, 0.5 mg. tube of ten; euflavine solvella, 100; homarine solvella, B.P., 100; tablets M. & B. $\frac{1}{2}$ gm., twenty-five; morphine sulphate tablets, gr. $\frac{1}{4}$, six tubes of twenty; gr. $\frac{1}{8}$, three tubes

ty; gr. $\frac{1}{2}$, three tubes of twenty; morphine
ate with atropine tablets, gr. $\frac{1}{16}$, six tubes
enty; Nikethamide, twenty-four 1·7 c.c.
oules; castor oil in 2-oz. drop bottle, plus
upply; liquid paraffin, B.P., 12-oz. bot.;
w soft paraffin, 7 lb.; phenobarbitone
ts, gr. 1, 100; procaine, local, 1 per cent.
ion, twelve 3 c.c. ampoules; sodium
bonate solvellæ for 5 per cent. solution,
sodium chloride solvellæ, gr. 80, 100;
anilamide tablets, gr. $\frac{7}{8}$, 100; triple
ide tablets, gr. 15, 200; morphine solution,
; lead subacetate tablets, 25; industrial
ylated spirit, 1 pint; anti-gas ointment
2, quantity to be announced later; bleach
er (fixed posts only), $\frac{1}{2}$ cwt.

Manufacturers' Warship Week Effort.—
ommon with other firms in the London
Whiffen & Sons, Ltd., Fulham, made
pecial effort during Warship Week,
g their target at 1,000 Savings certifi-
e. To the gratification of the organisers
otal finally achieved was 2,153 certifi-
e, a result attributable to the whole-
ed support of the entire staff.

West Middlesex Branch Officers.—The
wing officers were elected at the
al meeting of the West Middlesex
ch of the Pharmaceutical Society,
arch 27: *President*, Mr. S. R. Hughes;
Secretary, Mr. T. H. Elliott, 23a South
h, Southall, Middlesex (Telephone:
hall 1587). Other officers and com-
e are as before. *Conference Delegates*,
rs. T. H. Elliott, J. E. Goodall and
obinson.

Named After Pharmacist.—Blackburn's
lay nursery has been called "Holden
e" as a compliment to Alderman B.
en, J.P., M.P.S., Victoria Street,
burn, veteran chairman of the local
h and maternity committees.

St Antrim Pharmacists' Association.—
ssociation under this name was formed
tly. The following are the officers:—
President, Mr. John Hall, M.P.S.N.I.; *Vice-*
President, Mr. J. W. Sandford, M.P.S.N.I.;
Curer, Mr. H. McKay, Ph.C.; *Secretary*,
E. A. Poots, M.P.S.N.I.

Northern Ireland Wage Award.—The
nal Arbitration Tribunal (Northern
nd) has made an award in respect of
ates of wages to employees in the
ale grocery and drug trades. The
es concerned include Thomas McMullan
., Ltd., 42 Victoria Street; Shaw &
son, Ltd., 8 Townhall Street; Fred
y, Ltd., 73a Ann Street, Belfast; and
J. Haslett, Ltd., 79 Sandy Row,
st; together with certain employees

of the firms. The award gives an increase
of 1s. weekly to all classes of workers
affected.

Drug Arrivals in Eire.—The supply
position of Eire pharmacists has been
eased somewhat recently by the arrival
in Dublin of supplies of castor oil, liquid
paraffin, and olive oil, all of which had been
in very short supply.

Later Summer Closing in Eire.—The Eire
Government has made an order permitting
chemists' shops to remain open for longer
hours during the coming months. In
Dublin, Cork, Waterford, Limerick and
Dun Laoghaire in April, the permitted
closing hour is 8.30 p.m. from Monday to
Thursday, 9 p.m. on Friday and 10 p.m.
on Saturday. In other areas the hour will
be 9 p.m. from Monday to Friday; 10 p.m.
on Saturday. In the cities, in May, June,
July and August, chemists will be allowed
to remain open until 9 p.m. from Monday to
Friday, and 10 p.m. on Saturday. In other
areas the hour will be 10 p.m. throughout
the week.

Medical Preparations in Eire.—As many
medical and surgical requirements become
short in Eire, efforts are being made to
produce them in the country. Successful
experiments in producing anæsthetic ether
have been carried out by the Emergency
Scientific Research Bureau, and the Depart-
ment of Industry and Commerce is endea-
vouring to interest an Irish firm in the
matter. A suitable plant for the purpose
is being sought in Britain. Following
experiments by the Research Bureau, an
Irish firm will produce formalin on a scale
sufficient to meet minimum requirements.
A plant for the refining of crude glycerin
has been acquired by another firm, and
it is expected that supplies will be available
shortly. Arrangements have been made
to produce ten tons of sugar of milk in the
current season. Certain patent foods for-
merly obtained from Britain are no longer
available, but there will be no serious
shortage, as adequate supplies of milk
foods are produced in Eire, and arrange-
ments are being made to allocate additional
supplies of cereals to firms engaged in
the manufacture of infant foods of the
cereal type. A substitute for cod liver
oil is being manufactured by an Irish
firm by the addition of vitaminised oils
imported from the United States to
vegetable oils available in Eire. Produc-
tion is not however on a scale sufficient to
meet requirements.

AMERICAN NOTES

Salvage of Tooth-paste Tubes.—From the beginning of April, buyers of tooth-paste and shaving cream in the United States are being asked to give back to the shop-keeper an empty tube for each new one bought. Restrictions have been placed on the manufacture of a number of household articles, including soap dishes.

Changes in U.S. Cosmetic Industry.—Present and impending shortages of many important raw materials are making adjustments necessary in the U.S. cosmetic industry. Shortages of alcohol and glycerin are already acute. In a recent address in New York, Dr. Karl Klarmann (chief chemist, Lehn & Fink) pointed out that, compared with war industries, the needs of the cosmetic industry were but a "drop in the bucket." The skilled chemist could, and undoubtedly would, keep a step ahead of shortages by finding substitute materials not needed largely for war production. This might result in changes in the appearance of products, but should not seriously affect quality. Consumers of glycerin both in the cosmetic and flavouring extracts fields were pressing chemical producers to increase output, or enter into production, of propylene glycol as a substitute. Dr. Klarmann pointed out that a good grade of talc was now being secured from California, and Mr. S. L. Mayhem (Toilet Goods Manufacturers' Association) stated that oil of lemongrass, from which the ionones and citral are derived, was being grown on certain Central American banana plantations, following a blight that made the soil useless for banana growing. Certain types of flowers for essential oils were being planted in South America along a belt just south of the "bulge" in Brazil. In many instances such plantings, which had been promoted and were being watched by the U.S. Government, might not show results for many years. Dr. Klarmann pointed to lanolin as a product that had not only been made scarce by the war but had large war uses, such as coating aeroplane engines to retard corrosion. Despite considerable sheep-raising in the western hemisphere, including South American countries, the qualities from these sheep were not up to Australian and other imported grades.

The alcohol problem was harassing all consuming industries, including the cosmetic manufacturers. Although many whisky distilleries, with large stocks of whisky on hand, had been turned over to alcohol pro-

duction to serve war and other industries the supply was still below requirements. Dr. Klarmann suggested that there were many hand lotions and skin fresheners that contained alcohol for no apparent good reason. Some alcohol within the cosmetic field could be saved if its use were eliminated except where it served an essential purpose. Mr. A. L. van Ameringen, addressing the same group, said "although no figures are available, I estimate that the soap industry of the U.S. accounts for 75 out of every 100 lb. of perfumery raw materials. The remaining 25 per cent. is divided among other industries, cosmetics leading by great margin.

Recommended Pronunciations.—The committee on nomenclature of the American Medical Association's Council on Pharmacology and Chemistry has adopted recommendations that the word amide should be pronounced with a long "i" (amide) that the pronunciation of sulphanilamide should be sulphanilamide, with the major accent on the antepenultimate syllable 'il', and the accent in sulphathiazole should be on the syllable thi.

Federal Trade Commission's View on Antacids.—A memorandum issued by the Federal Trade Commission of the United States for the guidance of advertisers of antacid preparations includes the following statements:—

"In certain parts of the stomach of individuals regarded as normal there is found a peculiar type of cell which produces hydrochloric acid. The maximum concentration of the acid within these cells can produce is about 0.4 per cent. There is no mechanism in the stomach by which this acid, once formed, may be concentrated. All the stomach processes are dilution processes. Certain persons do not have free hydrochloric acid in their gastric juice, but the number smaller between the ages of twenty and thirty in men (somewhat higher in women). As advances there is a gradual increase until about one of every four who reach the age of fifty no longer have in their gastric juice free hydrochloric acid. As age advances the percentage of those who have symptoms attributable to the stomach markedly increase. Thus it is apparent that the age group most certain to have a maximum of free hydrochloric acid in the stomach is not the age group likely to have the most symptoms attributable to the stomach. The memorandum therefore deems it improper to attribute all ordinary manifestations of stomach distress and discomfort to acid. It is also improper to say that alkalis neutralize 'excess acidity' irrespective of dose or conditions under which they are taken."

COMPANY NEWS

SYDNEY TATLOW & Co., LTD. (P.C.).—Capital £2,000. Wholesale or retail confectionery, pharmaceutical and general chemicals, herbalists, etc. S. Tatlow, M.P.S., Director. R.O.: 20 Market Street, Eckington, Sheffield.

GLENMAR PRODUCTS, LTD. (P.C.).—Capital £1,000. Wholesale or retail producers, manufacturers, importers and distributors of products for food, medicinal and domestic purposes, etc. R.O.: 66 Salisbury Pavement, E.C.2.

ROBERT HOWDEN, LTD. (P.C.).—Capital £200. To acquire the business of a chemist and druggist carried on by Thomas Wilson at 11 Fenchurch Street, London, E.C.3. Mrs. Marie E. B. Coulson, Maurice S. Reid, M.P.S., and W. F. Bestley, directors. Solicitors: H. J. Jefferies & Co., Southend-on-Sea.

H. F. BREAKSPEAR (MARLOW ROAD), LTD. (P.C.).—Capital £1,500. Objects similar to those in E. S. Breakspear (High Street), Ltd. (see below). Arthur E. Breakspear, M.P.S., and Harold F. Breakspear, M.P.S., 6 Grassy Lane, Maidenhead, directors. R.O.: 40-42 High Street, Maidenhead.

E. S. BREAKSPEAR (HIGH STREET), LTD. (P.C.).—Capital £1,500. Objects: To carry on business as chemists, drysalterers, opticians, manufacturers of and dealers in proprietary articles, etc. Arthur E. Breakspear, M.P.S., and Eric S. Breakspear, M.P.S., directors. R.O.: 40-42 High Street, Maidenhead.

IMPERIAL CHEMICAL (PHARMACEUTICALS), LTD. (P.C.).—Capital £500,000 in 500,000 shares of £1 each. Manufacturers of and dealers in pharmaceuticals, drugs, medicinal fine chemicals; dental, optical, anatomical, orthopaedic, surgical and veterinary products and appliances; electrical, photographic and scientific apparatus and materials; cosmetics, toilet preparations, colours, dyeware and proprietary articles, etc. The subscribers (each with one share) are A. J. Quig, 78 Park Street, London, W.1 (a director, Imperial Chemical Industries, Ltd.); E. A. Bearden, Wharfedale, Brooklands Road, Brooklands, Surrey, chemist. Imperial Chemical Industries, Ltd., are the first sole directors and managers. Solicitor: E. A. Bingen, Nobel House, Buckingham Gate, London, S.W.1. R.O.: Wexham Road, Slough, Bucks.

SCRUBB & Co., LTD.—Mr. P. K. Metcalfe has been elected chairman of the company in place of Mr. F. T. Strong, who has resigned from the board of directors. Mr. E. R. Naphthine has been appointed managing director, and Mr. H. L. Shephard has been elected to the board.

MONSANTO CHEMICALS, LTD.—Profit for 1941, after allowing for war damage contributions, was £502,066, against £451,603 in the previous year; net profit, £67,958 (£105,854); dividend, 16½ per cent. (23½ per cent.), tax free; carried forward, £230,676, against £224,131 brought in.

SAVORY & MOORE, LTD.—Mr. H. A. R. Russell has been appointed a director of the company, thereby increasing the number of directors to five. Mr. Russell has been secretary of the company for many years and will continue to hold that office. Mr. S. G. Stevenson, M.Sc. (Lond.), Ph.C., F.I.C., has joined the company as technical adviser, with special reference to the control of chemical and pharmaceutical research and manufacture.

Voluntary Liquidation.—**E. YOUNG & Co. (CHEMISTS), LTD.**, Highgate Road, London, N.W. A meeting of the creditors herein was held recently, the shareholders having previously met and passed the necessary resolution for the voluntary winding-up of the company. Statement of affairs disclosed liabilities of £337, the net assets being £71, a deficiency, as regarded the creditors, of £266. The issued capital of the company was £1,000, and as regarded the shareholders there was a deficiency of £1,266, which was attributed to losses on trading for the two years to March 2, 1942, and to other causes. Trading was satisfactory until the outbreak of the present war. The company was formed in March 1940, with a nominal capital of £1,000, divided into shares of the face value of £1 each, all of which had been issued. The premises were held on a lease to Mr. Young for a period of twenty-one years from June 1921. The lease had not been assigned to the company. Accounts for the year to March 1, 1941, disclosed sales of £1,600, with a net loss of £40, whilst in the following twelve months it was estimated that there was a net loss of £154. Negotiations had been entered into for the sale of the business. A resolution was passed confirming the voluntary liquidation.

TOPICAL REFLECTIONS

State Medical Service

Two possible developments mentioned in Mr. Mallinson's address at Manchester (p. 379) need to be kept in mind with a view to taking action if necessary. The first of these is the introduction of a State medical service with public dispensaries. Unless the Ministry of Health has a scheme ready on its files, the British Medical Association plan, which you noticed editorially in your issue of May 7, 1938 (p. 533), may be said to hold the field. That comprehensive plan does not envisage State dispensaries. It states (p. 41): "The foregoing proposals assume that a satisfactory general medical service can be built up on the basis of the extension to dependants of the type of provision the national health insurance system makes, and by the enlargement of the content of statutory medical benefit." This is not to say that such a proposal may not afterwards be grafted on at the instigation of interested parties. Mr. Mallinson may have information which he is not at liberty to disclose. I suggest that a principle strongly insisted upon in the B.M.A. pamphlet, namely, that the relationship between doctor and patient should never be disturbed by the intrusion of others, applies to the relationship between pharmacists and their customers. This question assumes a further importance when we consider the strain that might be put upon hospital work through the extension of what is included in the general term "specialist services"—radiography, manipulative surgery and so forth. It might well happen that the existing facilities for dispensing medicines in hospitals would prove to be inadequate, and that some of the greatly increased number of patients would be sent to pharmacies for their medicines. In any case, dispensing in buildings constructed by the State would be a wasteful extravagance—to say nothing of the inconvenience of providing attendance—till the need for it became clear.

Proprietaries in Toyshops

The second possible development—and the secretary of the National Pharmaceutical Union appears to regard it as a certainty—is the "enlargement of the channels" through which proprietary medicines are sold. If this happens, it will be a kind of throw-back to the early days of the trade in these medicines. In 1707, for instance, a brand of proprietary lozenges was adver-

tised as obtainable from two booksellers, a stationer, a tinman, a hosier and a vendor of canes. In 1756 a letter appeared in the "Public Advertiser" warning the world against what the writer called "toyshop medicines." History does not, of course, repeat itself exactly; but if some such partial reversion to type occurs, it should give retail chemists their cue. (A cynic might argue that the Proprietary Articles Trade Association has conferred a new status on proprietary medicines by guaranteeing percentages of profit; but that is beside the point.) The chemists' first step in the case mentioned might be to put the case squarely to manufacturers thus: "Are you marketing chemists' medicines or toyshop medicines?" Chemists are aware that manufacturers cannot prevent the sale of such medicines by unqualified persons. But they can reasonably ask that some recognition of their position as guardians of the public welfare in this matter be made a part of the policy of enlightened manufacturers.

The End and the Means

The practical discussion at Glasgow on ways of helping pharmacists called to the Forces (p. 381) will be widely and sympathetically read, and I hope it may be possible to publish the report of the Glasgow executive on the subject when it is ready. It is not clear to me whether the statistic given by the first speaker refer to Scotland alone or to a larger area. In either case, we have to remember that proprietors of pharmacies are already paying two annual fees to the Pharmaceutical Society, one to the National Pharmaceutical Union or the Scottish Pharmaceutical Federation, and subscriptions to either or both of two funds in aid of sufferers in the present war. The fact will have a bearing on the formation of a new war auxiliary benevolent fund if it is decided upon. There will be general agreement with the speaker who "questioned if other chemists gained much through their competitors being called up," whatever increase in gross takings may result, the higher incidence of taxation will leave, I expect, a very small net increase. I do not suggest that the inauguration of another fund is impracticable, but I venture to remind your readers that all of us are bearing a burden of some kind. In a final analysis the success of any new fund will probably depend on its importance in relation to other funds.

Xrays

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

A MEETING of the Council of the Pharmaceutical Society was held at 17 Bloomsbury Square, London, W.C.1, on March 31 and April 1. All the members were present except the treasurer (Mr. Hugh W. Wallis), who sent an apology for absence. The Council decided to send Mr. Wallis a letter expressing their sympathy and good wishes for his speedy recovery. Among the matters dealt with were the following:—

Liaison Committee

Further consideration was given to the policy to be adopted in regard to the Retail Trade Committee and the evidence to be presented to the Beveridge Committee.

Deaths

Sympathetic reference was made to the deaths of Dr. George Senter, a former member of the Board of Examiners, and Mr. Alfred Clay Abraham, a former member of the Council.

Correspondence

A letter was received from the Birmingham Pharmaceutical Association stating that a resolution was carried unanimously at a meeting of the Council of that Association reiterating its disapproval of the suspension of the Council election.

Letters were received from the Clerk of the Privy Council conveying orders in Council stating: (a) that no member of the Council of the Society should be required to retire in 1942 and that no election of members of Council should be held in that year and (b) confirming regulations of the Statutory Committee of the Society.

Syllabus for Forensic Pharmacy

The Education Committee recommended that the syllabus for forensic pharmacy in the Chemist and Druggist and Pharmaceutical Chemist Qualifying examinations be amended to include the Pharmacy and Medicines Act, 1941; (2) that the examiners be asked not to examine candidates upon the provisions of this Act before the examinations in the summer of 1943, and that the schools be informed of this decision. The Committee also recommended that as a war-time measure regulations 4 (1) and 22 (1) be waived to enable a student who has entered for the Intermediate examination but failed to satisfy the examiners in all subjects to commence

his course of study for one of the Qualifying examinations, subject to the proviso that if such student does not satisfy the examiners in all subjects at the Christmas Intermediate examination he should not be allowed to proceed with his instruction for the final course.

The Education Committee expressed agreement with the suggestion that, as a war-time measure, a pass B.Sc. (Pharmacy) degree should be awarded by the University of Glasgow after three years' study, and that this should exempt the holder from the Chemist and Druggist Qualifying examination.

Benevolent Fund

Twenty-seven applications for assistance were considered. Twenty-three grants were made, one case was deferred for further consideration, and in three cases no grant was made. The quarterly report on the Benevolent Fund was received.

Reports Received

The annual report of the Statutory Committee for 1941 and the report on the London examinations during 1941 were received.

Conditions in H.M. Forces

The Public Services Committee reported upon the action being taken on the following matters: (1) The position of pharmacists in the R.A.M.C. in regard to promotion; (2) the further utilisation of the services of pharmacists in the R.A.M.C.; (3) the position of women pharmacists in voluntary aid detachments; (4) the conditions under which medicines are supplied in the R.A.F.

Congratulations

It was agreed that messages of congratulation should be sent to Professor Burn upon being made a Fellow of the Royal Society and to Dr. Tait upon being made a Fellow of the Royal Society of Edinburgh.

It was resolved that the warm congratulations of the Society should be conveyed to the National Pharmaceutical Union on the occasion of the twenty-first anniversary of its foundation. The success which the Union has achieved is testimony to the need for its services and to the value which has been placed upon them, and in wishing the Union prosperity in the future the Society is confident that it will continue

to fulfil the purposes for which it was established and which it has so ably served in the past.

Registration Matters

The registrar reported that since the last meeting twenty-three persons had been registered as "apprentices or students." The names of twenty pharmacists were restored to the register.—ANDREW BYRON JOHNSTON, formerly of Lurgan, co. Armagh, now of 4 The Parade, Sutton Coldfield, having complied with the by-laws, has been registered as a chemist and druggist in accordance with the provisions of Section 4, subsection (b) of the Poisons and Pharmacy Act, 1908, and the Pharmacy Act, 1929.

War Aid Committee

The total of the Fund to March 28 was £22,107 6s. 7d., and the amount expended as grants was £1,346 12s. 10d. Three applications for assistance were considered and a grant was made in one case. Two cases were deferred for further investigation.

Nomination of Auditors

The registrar reported that all the honorary auditors had been nominated for re-election and had agreed to accept the office if elected.

Apprentices and Call-up

With regard to the examination concessions, MR. WILSON asked what was the position of a student who finishes his indentured apprenticeship too late to start his college studies this session—who ends his apprenticeship say, in October or November, and cannot start his academic training until September the following year. How is he placed and will he be called up? MR. PECK replied that he hoped in such a case the employer would release his apprentice some weeks before the legal time so as to enable him to commence his academic training without delay.

Views of the Branches

MR. WILLIAMS thought that some indication of the views expressed during branch meetings which were attended by speakers from Bloomsbury Square might be given in the minutes of the committee meetings.—MR. FRANKLIN thought there was a feeling at Blackpool, for instance, that members did not hear sufficient about the work of the Council and wished steps could be taken to make the matters dealt with more public. He felt that there was insufficient co-ordina-

tion between the Council and the branches at the present time.

RECENT RESEARCH

Sterilisation of Rubber Gloves.—Results which suggest that, with adequate elimination of air from the chamber, steam at atmospheric pressure (o lb.) might sterilise rubber gloves effectively with even less deterioration in the rubber than at pressures of five, ten or twenty lb., have been obtained by Sanford and Cookson ("British Medical Journal," March 28, p. 412) in experiments carried out at the Royal Infirmary, Sunderland.

Porous Face Masks.—The "Lancet" (March 28, p. 387) discusses work by Rooks, Cralley and Barnes on cellulose and gauze as masks for the prevention of droplet infection. These workers found that cellulose was the most efficient bacterial filter, as well as being the least obstructive to the flow of air. It had the practical disadvantage, however, of friability. As an alternative they found that cotton gauze gained in efficiency from repeated laundering, and suggested a six-layer gauze mask (42×42 strands to the inch). After twenty laundings such a mask had a 97 per cent. efficiency in bacteria filtration.

QUININE LOSSES.—The Reconstruction Finance Corporation of America has announced the loss at sea of 500,000 ounces of quinine out of 2,000,000 purchased. The quinine factory at Bandoeng, Java, which furnished most of the world's annual consumption of 33,000,000 ounces, is believed to have been destroyed by the Dutch before the Japanese occupied the island.



Mustard gas being applied to the skin of volunteers at the London Homoeopathic Hospital, where attempts are being made to find an internal antidote to the gas.

DISCUSSIONS ON COMMITTEE'S REPORT

A MEETING of the Manchester Pharmaceutical Association and Branch of the Pharmaceutical Society was held recently, the president (Mr. E. Berry) in the chair, when the report of the Committee of Inquiry was discussed, the speakers being Mr. L. H. Boardman, B.Sc., Ph.C., and Mr. G. H. Haines, Ph.C.

A Wholesaler's View

MR. BOARDMAN said that in the manufacture of galenicals the wholesaler had developed enormously, whilst the functions of the retailer had altered from making his own galenicals and dispensing to supplying dispensed medicines. In the manufacturing laboratories the most important qualification was that of the Society, if possible with a University degree in pharmacy, chemistry or chemical engineering. Section II of the Report suggested uniformity of packing and prices of ordinary drugs and galenicals. If pharmacists dealt with members of the Wholesale Drug Trade Association they would generally be sure of buying drugs, galenicals, etc., of similar quality and at approximately the same price. Uniformity had the disadvantage that it detracted from the individuality of the pharmacist. Certain manufacturers were specialising upon products of standard character, such as vitamin products, fine chemicals, and galenicals. It was not clear that this specialisation was going to benefit the retail chemist, since it might tend to check competition and raise prices to unduly high levels. The allocation of trading areas was not likely to appeal to many wholesalers, though there might be an advantage in firms appointing agents in different parts of the country as sole distributors for particular manufactures. The pooling of research by the establishment of a common research institute had already been carried out by five of the leading manufacturing chemists in the country. In the Report, reference was made to the distribution of pharmaceutical goods through legitimate channels. If by this was meant through retail chemists this was never likely to be entirely realised. It was probably true that of the drugs and galenicals handled by the W.D.T.A. only a small proportion did not go through legitimate channels. Mr. Boardman suggested that pharmacists should use their wholesalers as information and advice bureaux. Only by educating the public would the close relationship between

pharmacy and medicine in the health service of the community be realised.

A Retailer's Reaction

MR. G. H. HAINES recounted the various Acts of Parliament connected with pharmacy enacted during the past century, culminating in the Pharmacy and Medicines Act, 1941. The penalties exacted under the Dangerous Drugs Acts had often been a disgrace to the judicial system when the offence had been a trivial technical oversight involving no breach of the principles of the Act. The 1941 Act had undoubtedly widened the area of distribution of proprietary medicines, but it was too early to weigh the total effects. It was all too evident that past attempts at legislation had not been at all favourable to pharmacy. Vested interests always seemed to butt in and these were regarded by the legislature as more important than any services rendered to the public by pharmacists. Mr. Haines then discussed points that had been advocated for future legislation. It would be difficult, he said, to fix a basis for the limitation of pharmacies, but the continental practice might be studied with profit. The question involved the limitation of entrants into pharmacy, and the present reduction would automatically have its effect in the near future. Pharmacists should stake a claim to all dispensing outside hospitals. The principle had been accepted in the National Health Insurance scheme and should be extended. The suggestion that contracts to supply N.H.I. medicines should not, as at present, be given to any business that applied for them, but that new contracts should be made with new concerns only when there was real need in the public interest would take away one of the privileges of their qualification and could not be accepted. The Society should concentrate on getting protection for the pharmacist and the extension of his rights, in accordance with the onerous duties and increased responsibilities of the calling, allied, of course, with due regard to public interests and welfare. Pharmacists acted as guardians of the public and they functioned for the protection of the interests of the State. For this service the recompense was poor. The Society would do well to bear this point in mind when negotiating with Government departments.

A vote of thanks to Mr. Boardman and Mr. Haines was proposed by MR. E. WALTERS.

FUTURE POLICY OF PHARMACY

A DISCUSSION on "The Future Policy of Pharmacy" by the Birkenhead and Wirral Pharmacists' Association, recently, was introduced by Councillor W. J. Tristram (North-western delegate to the National Pharmaceutical Union). Mr. G. L. Hale presided. Congratulating the Association on being one of the first in the country to attempt a study, on the lines suggested by the secretary of the N.P.U., of problems likely to arise after the war, Councillor Tristram admitted that members of the N.P.U., like most other pharmacists, tended to be completely absorbed in the day-to-day work, and had little time to think of the issues that might confront them in a few years' time. Although the work of the N.P.U. had enormously increased in recent years, Mr. Mallinson, the secretary, had not overlooked the need for a constructive post-war policy.

Changed Public Demand

Extensive advertising had turned the public's demand from ordinary drugs which were supplied by the chemist to the proprietary medicines which could be supplied by anybody. The 1941 Act removed the last barrier to universal distribution, and now, with the exception of medicaments containing poisons, chemists had no privileged position in the sale of their lines, but were left to fight for as much business as they could get on an equal footing. Mr. Mallinson had suggested two separate and distinct qualifications: one for professional pharmacy and one for what he described as the "technical retail business." Undoubtedly this would raise those who took the highest qualification into a professional body. They would be barred from trade, so that their professional status would be self-evident. But the speaker felt some anxiety about the chemist conducting "the technical retail business." He would still do National Health Insurance dispensing, but would not get anything approaching a professional fee for his services, because he would not be regarded as professional.

Entrants into Pharmacy

Councillor Tristram said it was the duty of representative bodies to prevent overcrowding of their profession. Men and women should not be allowed to enter when it was certain that they could never make a living which would justify the long training and study they would have to

undertake. Overcrowding led to shameless and obvious forms of competition and lowered professional status in the eyes of the public. Parliament had prohibited anyone but a qualified person from practising dentistry. What it had done for dentistry it would do for pharmacy if an equally good case could be made out. It would mean a long and persistent campaign to educate the public. Nevertheless, such a campaign should be started now. The chief menaces to the pharmacist were the unqualified trader in pharmaceutical goods, and "co-op" dividend trading.

C.F. Penalty Agreement

C.F. manufacturers had often complained that, whereas there was a penalty against manufacturers and wholesalers for breaches of agreement, the chemist, for whom the scheme was started, did what he liked with impunity. It was hoped to meet this complaint by enforcing obedience to the rules by chemists. At some future date, not yet decided upon, it was proposed to go to the C.F. Council and ask members not to supply C.F. goods to persons who had not signed the agreement. Finally, Councillor Tristram said he was confident that pharmacy would share in the prosperity of the post-war years.

Discussion

Points from the discussion which followed included the following. It was because chemists were so independent that it was so difficult to achieve unity in pharmacy. They needed to be more ruthless with themselves: they could be ruthless with other people. The secretary of the N.P.U. was not in the best position to formulate a policy for pharmacy. One member's idea of pharmacy for the future was to do away with shops and handle only prescriptions. If one can make the public "proprietary conscious," one should be able to make them "chemist conscious." The more the range of N.H.I. was widened, the less would be the likelihood of doctors doing their own dispensing. In recent years hospital or public pharmacists had been drawing away from the retailing pharmacists. They seemed to have developed a superiority complex. It would be wrong to have divided qualifications for the hospital pharmacist and the man in the shop. A resolution was adopted recommending members to sign the C.F. agreement.

NATIONAL PHARMACEUTICAL UNION

THE twenty-first annual meeting of the National Pharmaceutical Union was held at 45 Queen Square, London, W.C.1, on March 25, Mr. A. Dobson in the chair.

Annual Report and Accounts

Presenting the annual report and accounts, THE CHAIRMAN referred to the coming of age of the N.P.U., which, in more normal times, he would have liked to see the subject of some appropriate celebration. The report was of minor importance compared with the work of the secretary (Mr. G. A. Mallinson) during the past twenty-one years.

MR. TRISTRAM congratulated the secretary on the article on the twenty-first anniversary of the N.P.U. that appeared in THE CHEMIST AND DRUGGIST.

THE CHAIRMAN moved the adoption of the report; this was seconded by Mr. TRISTRAM and carried. A resolution was also passed expressing thanks to THE CHEMIST AND DRUGGIST for publication of the article referred to.

THE TREASURER moved adoption of the accounts; this was seconded by Mr. Bryant and adopted unanimously.

A vote of thanks to the chairman was moved by Mr. A. R. MELHUISH and seconded by Mr. BRYANT, Chiswick.

Meeting of Executive

A meeting of the Executive was held on March 25, Mr. A. Dobson in the chair. The report on a meeting of the Drug Trade Council held on March 18 was received; it was agreed that the Executive had no objection to the Council being consulted by the Board of Trade on matters arising under the Location of Retail Businesses Orders, Class 42.

Secretary's Report

THE SECRETARY described correspondence he had received from the Pharmaceutical Society regarding the functions of the two bodies, and it was resolved that a letter should be sent to the Pharmaceutical Society accepting the Society's letter of March 5 and a statement by its Council, and an assurance and reaffirmation of the position as set out in the report to the Council dated November 9, 1920. A memorandum on evidence given by the N.P.U. to the Retail Trade Committee of the Board of Trade and upon oral evidence given before a special subcommittee of that body, and corre-

spondence relating thereto, was received. The secretary reported that no further claims had been made upon the air-raid assistance fund since the last meeting of the Executive, and that subscribers had been advised that no further call-up of subscription would be required until the course of events made this necessary. The amount received by the war distress fund at the time of the meeting was £18,293, from which £24 13s. weekly was being paid out in maintenance allowances. Resolutions were received from the Neath and Port Talbot, Dartford, Huddersfield, Thames Valley, and Liverpool Branches of the Union relating to the functions of the Union and the Pharmaceutical Society, National Health Insurance dispensing remuneration, organisation of employee pharmacists, the Chemists' Friends scheme, and other matters. A letter was received from the Commissioners of Customs and Excise asking for the submission of alternative formulas for all items in the Industrial Methylated Spirit formulary which contain diethyl phthalate.

National Health Insurance

A letter was received from the Ministry of Health explaining delay in dealing with the Union's application for increased remuneration for chemists undertaking N.H.I. dispensing. It was stated that some further time must elapse before the Government actuary's report was completed.

Chemists' Defence Association

The forty-first annual meeting of the Chemists' Defence Association, Ltd., was held in London on March 25, Mr. A. Dobson in the chair. THE CHAIRMAN moved the adoption of the annual report, and expressed the thanks of the directors for the work of the secretary (Mr. G. A. Mallinson). MR. BRYANT seconded, and the motion was carried unanimously.

Elections of Directors and Auditors

It was proposed by MR. BRYANT and seconded by MR. TRISTRAM that the following members should be elected directors:—

Messrs. E. A. Atkins; W. W. Atkinson; F. E. Battershill; E. A. Brocklehurst; D. A. Bryan; B. Pugh Davies; A. Dobson; J. Evans; W. Forster; J. E. French; J. Hague; J. Hearle; T. Heseltine; H. H. Marshall; A. R. Melhuish; S. J. Stearn; H. Steinman; W. J. Tristram. MR. J. Hague

proposed and Mr. S. J. Stearn seconded that Messrs. West and Drake should be re-elected auditors. This was carried.

A vote of thanks to the chairman was carried unanimously.

The directors of the Association held a

meeting on March 25, Mr. A. Dobson in the chair, when they received the secretary's report on uncompleted claims, and on matters that had arisen since the February meeting. Settlements that had been effected in two minor cases were approved.

CHEMISTS' FRIENDS ASSOCIATION

A MEETING of the Council of the Chemists' Friends Association was held in London, on March 17, the president (Mr. J. Hearle) in the chair.

C.F. Goods and Bazaar Stores

A report was received from a sub-committee appointed by the Council at its previous meeting to consider whether steps should be taken to prevent the sale of C.F. products by stores of the bazaar type that had registered their premises under Section 12 of the Pharmacy and Poisons Act, 1933. The subcommittee stated that consideration of the question had been rendered more difficult by the absence in the past of definite support for the C.F. movement by multiple-store chemists. After a full consideration of this matter it was resolved that a circular should be sent to all C.F. manufacturers and approved wholesalers conveying the views of the council on this matter, as follows: (a) That whilst by a majority vote C.F. manufacturers were in favour of exclusion of C.F. goods from bazaar stores, the Council was of the opinion that in view of the operation of the Location of Retail Businesses Order, few new registered premises could be opened during the war and no immediate action was therefore necessary, and (b) that C.F. manufacturers and approved wholesalers could only supply C.F. goods to premises which were registered with the Pharmaceutical Society, and the Council expressed the desire that during the war no new registered premises should be supplied with C.F. goods by C.F. manufacturers or approved wholesalers, because every new outlet represented a further deficiency of existing supplies which were already inadequate.

Manufacturers' and Wholesalers' C.F. Agreements

There was some discussion regarding the terms of the proposed C.F. agreement with two manufacturers of National rose-hip syrup, and it was agreed to leave the matter in abeyance until the next meeting of the Council, to enable the manufacturers to be

interviewed. Two firms applied for the inclusion of their names in the list of approved distributors by wholesale of C.F. goods; neither was accepted. Milner & Coke, Ltd., and the English Grains Co., Ltd., reported changes in retail prices and trade terms of certain products; these were approved. An application by Romany Products, Ltd., asking for the transfer of their C.F. agreement to British Medical Laboratories, Ltd., of the same address, was left in abeyance for one month.

Paper Salvage

Meggesson & Co., Ltd., drew the attention of the Council to the increasing difficulty of the supply of cartons for individual bottles; display outers, and fibre-board or corrugated dispatch outers. Several suggestions for dealing with this problem were submitted and considered, but all were found to be impracticable owing to difficulties of collection, storage and transport. It was decided that the secretary should try to make inquiries about the services of a salvage recovery agent, and submit a report to the Council at its next meeting. It was also decided to send a letter to the Paper Controller suggesting the introduction of a debit and credit account in respect of the return of salvage in favour of particular trades.

Supply to Hostel

An approved wholesaler sought the Council's permission to supply C.F. goods to a hostel attached to an ordnance factory. It was decided that the location of the factory should be investigated by the secretary, who should subsequently take suitable action under the guidance of the president.

Resolutions and Memorandum

Resolutions regarding the future of the C.F. movement received from the Thame Valley District Pharmacists' Association were the subject of some discussion, and the attention of the Council was also drawn to a circular and statement of policy recently sent to all chemists by the Proprietar Association of Great Britain.

PARLIAMENTARY NEWS

Quinine Supplies.—Sir Francis Fremantle asked the Minister of Supply recently the supplies of quinine and of raw material for its manufacture that would be available under the conditions arising from the loss of supplies from the East Indies, and whether immediate steps were being taken to manufacture substitutes in this country.

Sir A. Duncan: Supplies of quinine are adequate for a considerable period. Steps have, however, been taken for the production of efficient substitutes.

Shaving Soaps and Creams.—Viscountess Astor asked the Parliamentary Secretary to the Minister of Food, on March 19, whether he would take steps to bring shaving soap and shaving cream within the Limitation of Supplies Order, since their manufacture involved the use of glycerin, oil and metal tubes.

Mr. Dalton: I have been asked to reply. Shaving soap and shaving creams are at present excepted from control under the Limitation of Supplies Orders. The question of the future scope of these Orders is now under consideration.

Price Control at all Stages.—Major Lyons asked the President of the Board of Trade, on March 24, whether, in the light of experience gained to date, and for the better protection of the public, he would introduce an alteration of the machinery of the Goods and Services (Price Control) Act, 1941, so that the present arrangements are succeeded by a system which fixes prices and limits profits upon all goods and commodities at each stage from maker to the public. Mr. Liddall asked a similar question. The President of the Board of Trade (Mr. Dalton) said he had the existing arrangements for price control at present under review. Further questioned whether the review had not lasted a long time, he said: "I have not been in my present office for a very long time, and I have not had the matter for very long under review."

GREASEPROOF PAPER.—The utility of greaseproof paper for repulping for munitions is less than that of other waste paper. If it has been used and is saturated with grease it is practically useless as "waste." Recognising that a certain amount of paper is used for relighting the Salvage and Recovery Board recommend that for this domestic purpose used greaseproof paper rather than newsprint and other waste paper should be used. The latter are required for repulping.

COLLAPSIBLE TUBES SALVAGE

THE Dentifrice Manufacturers of the United Kingdom, which represents some twenty-five makers of dentifrices, is organising a salvage campaign for the recovery of used metal collapsible tubes. The campaign is



Showcard, 5½ x 7 inches, being distributed to chemists. Copies are obtainable from the Dentifrice Manufacturers' Section, London Chamber of Commerce, 69 Cannon Street, London, E.C.4.

backed by the Ministry of Supply, which is in urgent need of tin and lead. The manufacturers' appeal to chemists states: "We urgently appeal to you to encourage all your customers to return their empty tubes to you when purchasing new ones. A suitable box for the collection of these tubes will be delivered to you shortly, and the empty tubes will be collected every few weeks. A powerful national and local advertising campaign for the recovery of these tubes is being launched in order to obtain the closest co-operation of members of the public. Please display your box in a prominent place, and whenever a sale is made of any tube product, advise the purchaser of the necessity for the return of the empty tube. The cost of this salvage scheme is being met by the various manufacturers and the entire proceeds are being given to the Red Cross and St. John Fund."

TRADE NOTES

Training in Dentistry.—Applications for admission in May to courses for the B.D.S. degree and L.D.S. diploma are invited by the Dean of the Royal Dental Hospital of London, Leicester Square, London, W.C.2.

Treatment of Pyloric Stenosis.—Atropine methyl nitrate in the form of lamellæ, each containing 1.750 gr., is now available in cartons of forty under the name Pylostropin. The makers are Clay & Abraham, Ltd., Liverpool.

Not Affected by Rationing Scheme.—The makers of Farex (Glaxo Laboratories, Ltd., Greenford, Middlesex) ask us to point out to chemists that this product is not within the scope of the points rationing scheme for cereal breakfast foods (see p. 401).

Vitamins, Ltd., London, W.6, have also informed us that Bemax is exempt from the scheme.

Meat Extract.—M. de J. Levy & Sons, 110 Fenchurch Street, London, E.C.3, announce that they are the sole distributors of Convoy brand extract of meat, which is available in 7-lb. press-cap tins and nominal 2- and 4-oz. jars from wholesalers.

Price Raised.—From April 1 the price of Maclean's hydrogen peroxide has been increased, owing to higher costs of production. The makers, Macleans, Ltd., Great West Road, Brentford, state that demand is in excess of supply, and orders can be accepted only through the company's representatives.

Compound Vitamin B₁ Tablets.—Roche Products, Ltd., Welwyn Garden City, announce the introduction of Benerva compound tablets. Each tablet contains 1 mgm. aneurin (vitamin B₁), 1 mgm. lactoflavin, and 15 mgm. nicotinic acid. The preparation is issued for prophylactic use and for follow-up treatment in cases of vitamin B deficiencies generally. The tablets are available in bottles of twenty-five and 100, and are exempt from purchase tax.

Concentrated Liver Extract.—Hepastab Forte, a new highly concentrated extract of liver, has been issued by Boots Pure Drug Co., Ltd., Nottingham. It contains all the anti-anæmic factors of liver and may be administered either by intramuscular or intravenous injection. Each 2 c.c. is obtained from 100 gm. of liver and is therapeutically equivalent to 4,000 to 5,000 gm. of fresh liver by the mouth. Hepastab Forte is supplied in ampoules of 2 c.c. in

boxes of three, six, and twelve ampoules and in 10-c.c. and 25-c.c. rubber-capped vials.

Blackcurrant Syrup Still Available.—Although the stocks of Ribena blackcurrant syrup available to the public are much reduced on account of Government distribution schemes, the makers, H. W. Carter & Co., Ltd., The Old Refinery, Bristol, 2, state that supplies continue to be available to meet the needs of patients ordered the syrup on medical prescription.

Business Changes

The address of the Drugs Branch, Home Office, is now Meyrick Cliffs Hotel, Beacon Road, Bournemouth.

MR. G. T. WATERWORTH, M.P.S., has purchased the business of Mr. R. Bray, M.P.S., 85 Clarence Street, York.

Proprietary Articles Trade Association

Alterations to Protected List.—*Crystal Products Co., Ltd.* Outdoor Girl lipstick, trial size, 7d., 5s. 3d., tax 1s. 9d. doz., inclusive retail price, 9d. New refill, 6d., 4s. 6d., tax, 1s. 6d. doz., i.r.p. 7½d.

Roche Products, Ltd. Saridone tablets, tube of ten, i.r.p. 1s. 1½d. Sedobrol tablets, 10's, i.r.p. 2s. 3d.; 30's, i.r.p., 5s. 7d. Manufacturers state that Nestrovite tablets are now exempt from purchase tax.

Splendor, Ltd. Cropax foot aids, No. 21, callus remover and metatarsal support, 9½d., 6s. 9d. doz. (exempt from purchase tax).

A. Wander, Ltd. Wander brand malt extract, 1-lb., 1s. 8d., 15s. 1½d. doz.; 2-lb., 3s. 3d., 28s. 3d. doz.; 4-lb., 6s. 6d., 54s. 6d. doz.; 7-lb., 10s. 10d., 94s. 10½d. doz. Wander brand malt extract with cod liver oil, 1-lb., 1s. 11d., 17s. 6d. doz.; 2-lb., 3s. 8d., 33s. doz.; 4-lb., 7s. 3d., 64s. doz.; 7-lb., 12s. 3d., 111s. doz. Vimaltol, 1-lb., 2s. 3d., 18s. doz.; 2-lb., 3s. 10d., 30s. 7d. doz.

James Woolley, Sons & Co., Ltd. Boval floor gloss, 1s. 9d., 14s. doz.; 3s., 24s. doz. (exempt from tax).

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to war conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the C. & D., c/o The Pitman Press, Bath, Somerset.

PERSONALITIES

STAFF-SERGEANT A. W. STARK, R.A.M.C., M.P.S., 5 Poulton Old Road, Blackpool, is reported missing in the Far East.

MR. I. MILES DAVIES, M.P.S., 3 High Street, Lampeter, Cardiganshire, was recently installed Worshipful Master of the Peterwell Lodge of Freemasons.

MR. T. LLOYD JONES, M.P.S., Fferyllfa, Corwen, Merionethshire, North Wales, has been appointed to represent the deposit contributors on the Merioneth Insurance Committee.

LIEUTENANT RONALD PARKYN BOOTH, R.N.V.R., third son of Mr. Parkin S. Booth (managing director, Association of Manufacturing Chemists, Ltd.), has received official intimation that he has been mentioned in despatches. On leaving Shrewsbury School, Lt. Booth was articled to a chartered accountant, passed his intermediate, but subsequently joined H.M.S. 'Eaglet' as midshipman. When war broke out he was immediately called to the colours, and has been in the Service since.

MARRIAGES

BONTHRON—FAULDS.—At the Grand Hotel, Glasgow, on April 4, John T. Bonthron, M.P.S., Saltford, Somerset, formerly of Coaltown of Balgonie, Fife, to Dona Faulds, Jordanhill, Glasgow.

FOULDS—BROWN.—At Burnley Jubilee Methodist Church, on March 31, Herbert W. Foulds, Ph.C., 156 Casterton Avenue, Burnley, to Margery Brown.

WILSON—ROBERTSON.—At St. Andrew's Church, Stepps, Glasgow, on March 26, David Liddell Wilson, M.P.S., Ivydene, Stepps, to Jean Brown Robertson, Katrine, Stepps.

DEATHS

BIBBINGS.—At Woodleigh, Forde Park, Newton Abbot, on April 4, Mr. John Henry Bibbings, Ph.C., aged eighty-nine. Mr. Bibbings established his business in Queen Street sixty-five years ago, and has carried it on at the same address ever since.

FINLAY.—At Stirling Royal Infirmary, on March 30, Mr. George Finlay, M.P.S., Callander. Mr. Finlay qualified in 1899.

HUDSON.—At Skegness, recently, Mr. Walter Hudson, M.P.S., aged fifty-seven. Mr. Hudson had been in business locally

for nearly thirty years and during the last twenty-three years had served as a member of the local town council, being elected chairman of that body on three occasions. Mr. Hudson was a past-president of the Photographic Dealers' Association.

HUNTER.—On April 4, Mr. Mitchell Neilson Hunter, M.P.S., Lint Riggs, Falkirk. Mr. Hunter qualified in 1921 and eight years ago opened a business on his own account locally.

KING.—Recently, Mr. Arthur Edward King, Ph.C., for many years managing director of Fuller & Co., Ltd., 18 Rampant Horse Street, Norwich. Mr. King passed the Minor examination of the Pharmaceutical Society in 1898 and the Major in 1912.

MATTHEW.—At Sheffield, on March 24, Hannah Wrigley, the wife of Mr. John E. Matthew, M.P.S., Montgomery Road, aged seventy-two.

PEAKE.—At Seaford, recently, Mr. Walter Henry Peake, M.P.S., aged sixty-three. Prior to his retirement some years ago Mr. Peake was in business at Twickenham.

STANSER.—At Beverley, on March 29, Mr. John Stanser, M.P.S., 15 North Bar Street, aged sixty-five.

RECENT WILLS

MR. GEORGE BROWN, 4 Wickham Court Road, West Wickham, Kent, formerly of Croydon, Surrey, chemists' valuer, who died on October 1, 1941, aged seventy-three, left £1,165 with net personalty £227.

MR. ARCHIBALD COLIN STIRLING, Strawberry Cottage, Carshalton, Surrey, chairman and managing director of R. C. Treatt & Co., Ltd., essential oil merchants, 11 Hart Street, Mark Lane, London, E.C., who died on January 15, left estate of the gross value of £12,547, with net personalty £8,949.

MR. JAMES ROSS HASLETT, Killeague, Greenisland, co. Antrim, a director of J. & J. Haslett, Ltd., manufacturing chemists, divisional manager in Northern Ireland for Imperial Chemical Industries, Ltd., and a member of the Northern Ireland Road Transport Board, a member of the Irish Railways Conciliation Board, and chairman of the Transport Committee of the Belfast Chamber of Commerce, who died on September 1, 1941, left estate in England and Northern Ireland valued at £12,978.



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THE NATIONAL ASSOCIATION OF OPTICIANS

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COMING EVENTS

Wednesday, April 15

TEES-SIDE BRANCH, PHARMACEUTICAL SOCIETY, Cleveland Technical and Scientific Institute, Middlesbrough, at 6.30 p.m. Annual meeting. Mr. T. R. Scholfield, Ph.C., on "The B.P. Addendum, the National War Formulary, and New Proprietary Drugs."

READING BRANCH, PHARMACEUTICAL SOCIETY, Abbey Gateway meeting room, The Forbury, Reading, at 3 p.m. Annual meeting. Mr. N. Elcock, M.P.S., on "The History and Action of Ergot" (cine and lantern lecture).

Thursday, April 16

PROPRIETARY ARTICLES TRADE ASSOCIATION, Hotel Russell, London, W.C.1, at 3 p.m. Annual meeting.

LIVERPOOL CHEMISTS' ASSOCIATION and BRANCH, Royal Institution, Liverpool, at 7.30 and 8 p.m. Annual meetings.

CHEMICAL SOCIETY, Royal Institution (lecture room), 21 Albemarle Street, London, W.1, at 4.30 p.m. Sir Joseph J. Thomson Memorial lecture by Lord Rayleigh, F.R.S.

THE CHEMIST AND DRUGGIST

ESTABLISHED 1869

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Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire

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NO. 3244

The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

Buying from Unknown Sources

A WARNING to retailers against buying goods through any but recognised trade channels has been issued by the Central Price Regulation Committee, which points out that by so doing retailers may fail to fulfil their obligations under the Price Controlled Goods (Invoices) Order. Several cases of inadequate or inaccurate invoices being supplied by unknown traders to retailers have recently been brought to the Committee's notice. In one case, the address given by the seller was fictitious, and although purchase tax was added to the price charged, it was discovered that no such trader was registered for purchase tax purposes. An open cheque or cash was demanded by the seller in each case. It should be remembered by buyers that their responsibility under the Order is not limited to obtaining an invoice from their suppliers but that invoices must contain correct information on a number of important points. For example, the name and address of the principal place of business of the seller should be given, as well as the name of the buyer and the address to which the goods are being or will be sent. The

invoice must also contain a sufficient description of the goods to which it relates and, in particular, the numbers and quantities thereof. The price paid or charged or agreed to be paid or charged for each item in the invoice must be stated, as well as the date of the sale or contract of sale of each item. If the retailer does not receive the invoice within fourteen days of receiving the goods, or if it does not contain the required information, he must ask his supplier for a proper invoice and at the same time report the matter to his local Price Regulation Committee.

Stars and Stripes—and Waste

WE have received a copy of the Ministry of Health's printed circular 2601, dated March 16, 1942. It provides authority for awards of blue stars and red stars for each year's service to nursing auxiliaries. The circular also authorises red stars and red stripes to be awarded to trained nurses and assistant nurses of the C.N.R. for each year's service. These nurses are also eligible for blue stars and blue stripes. At least, that is our reading of the approximately 1,000 word circular, which could have been written in 100 words. The Prime Minister himself called, many months ago, for simpler and more direct language in civil service documents but the response is not yet very noticeable. We are not quite sure if the nurses have a choice in the matter of colour scheme—blue stars and stripes for the blondes and red decorations for the brunettes, for instance. Anyhow, it seems we may soon encounter nurses whose arms will resemble the "Star Spangled Banner"—a nice gesture to America. There is, of course, a paper shortage and the clothing ration has been cut, but all's well so long as the nurses have their stars and stripes and Whitehall continues to pour out its printed circulars.

Welfare in Chemical Works

IN industrial processes involving toxic chemicals prevention of poisoning cases by early detection of toxic effects is urged by Foulger and Fleming in the "Journal of the American Medical Association" (117, 10, 831). The authors have found that the first effects of exposure to toxic substances are substantially the same no matter what the chemical structure of the material, and on the detection of the early

effects they have built up a programme of preventive medicine. Briefly, the method calls for frequent medical examinations not only on applying for work, but during employment and after release from employment or transfer from one type of exposure to another. Such examinations should be used for selection of workers, so that a man with tuberculosis is not to work in a dusty atmosphere, nor one with liver disease to be exposed to a chemical which further injures the liver. The authors record their experience that the first effects consist of easiness of fatigue, headache, gastroenteric disturbance (nausea, loss of appetite, a feeling of fullness of the stomach, gas on the stomach, pain in the epigastrium), dizziness, precordial pain, pain or tingling in the extremities and dyspnoea on slight exertion. Not all are present in all cases. The first

signs of exposure to toxic chemicals are definite changes in pulse rate and in blood pressure. Blood pressure can be measured by standard procedure and recorded numerically with a fair degree of accuracy, and such records are susceptible of mathematical analysis. For this reason, the scheme of medical observation is based on blood-pressure measurements. As each examination requires the worker to leave his work, the examinations must be simple and speedy. An examination consisting of the recording of the few symptoms outlined and of blood-pressure readings occupying only about ten to fifteen minutes, is suggested as a routine at intervals of one, two or three weeks. When deviation from the normal is discovered, the worker can be taken from contact with the toxic chemical, or suitable treatment applied.

CENTRAL PHARMACEUTICAL WAR COMMITTEE

At a meeting of the Committee recently, the secretary reported the outcome of a meeting between Dame Beryl Oliver, Mr. Bliss and representatives of the War Committee and of the Pharmaceutical Society. The British Red Cross Society had agreed to obtain the names of pharmacists or dispensers required by them, either from or after consultation with the Committee. They had also agreed to furnish the names of women pharmacists and dispensers already recruited. The secretary reported that the Council of the Society had passed a resolution asking that the Committee arrange that any subcommittee which may deal with the restrictions upon the movements of employees shall be constituted so that there is a representative of employees in its membership. The secretary reported an application to the Ministry of Labour by the Committee to exempt from the operation of the Employment of Women (Control of Engagement) Order those classes of women for which the Committee was responsible. He reported further that in special cases the Committee could make application to the Ministry for a special permit, and that in the event of women pharmacists, dispensers, pharmacy students and drug-hands not being exempted from the operation of the Order, the Committee would have to give consideration to its becoming an agency, issuing permits to these classes of women in lieu of the Ministry.

A schedule of all recommendations made with regard to those men who, on September 18, 1941, were recommended for "open" deferment until March 18, 1942, and which had now been reconsidered, was put on the table. The action of the chairman in having considered certain appeals from the recommendations of the hospital and wholesale subcommittees, owing to the impossibility of being able to summon the Central Committee to consider these appeals in time, was approved.

Matters of Urgency.—The following members were appointed a panel of people from among whom some might be summoned to hear appeals from decisions of the wholesale or hospitals subcommittees, and to act for the Committee in cases of urgency, four to be a quorum: the chairman, Mr. Bliss (or Mr. Hegarty or Mr. Peacock), Mr. Espley, Mrs. Irvine, Mr. Knox Mawer, Mr. Mallinson, Mr. Mortimer, Mr. Peck, Mr. Royal, Mr. Sparshott.

Pharmacists in the Home Guard.—In connexion with the recent public announcement that compulsory enrolment in the Home Guard will be applied in all Civil Defence regions, the Central Pharmaceutical War Committee has been informed by the Ministry of Health that it is not the intention of the Ministry of Labour and National Service, for the present, to issue directions to pharmacists and dispensers for compulsory enrolment.

NUTRITION IN WAR-TIME

by Frank Wokes, Ph.D., B.Sc., F.I.C., Ph.C.

III.—Value of Fats

It was shown in a previous article of the series that fats are the most concentrated source of energy in the diet. We might therefore expect that in war-time, when the national output depends on the workers receiving a diet of high energy value, the consumption of fats would be greatly increased. In practice, however, this does not occur, for the following reasons: (a) Large quantities of fats normally used as food are needed for providing materials such as glycerin used in the manufacture of munitions; (b) the proportion of fat which can comfortably be eaten in the diet depends largely on the climate. In Germany the demand for fats for munitions has been so great that the proportion of fat in the diet has fallen to a fraction of the normal peace-time figure. In this country also the supply of animal fats such as butter and lard has considerably diminished. The question arises whether any ill effects are likely to be caused by this reduction in the fat content of the diet, and whether it would be advisable to devote a larger proportion of the available shipping space to the importation of fats such as butter.

Replacing Fats.—From the point of view of energy production fats can readily be replaced by starches or sugars. It is true that more than twice as much of these will be required, but since they are more readily digested and assimilated, especially if the starches are dextrinised by cooking, there is no undue strain on the digestive system. Studies of the diets of various people have shown that strenuous work can be satisfactorily undertaken by persons living mainly on starches and sugars, with only small amounts of fats and proteins. In the average pre-war Japanese diet, for example, only about 6 per cent. of the total energy was obtained from fat, as compared with about 33 per cent. in Great Britain. In this country the proportion of fat in the diet has been increasing steadily from year to year, especially in the wealthier classes, who before the war were eating nearly twice as much fat as the poorer classes. Much of this fat can certainly be gone in war-time without ill effect, provided that certain precautions are taken.

Properties of Fats.—Apart, however, from their high energy value fats possess other

important properties in nutrition. First and foremost they serve as carriers of the fat-soluble vitamins A, D and E. Animal fats such as butter and liver oils contain preformed vitamins A and D. Vegetable fats, especially germ oils, contain the provitamins from which vitamins A and D are formed, as well as vitamin E, of which the oil from the germ of cereals is one of the richest sources. Therefore if our supplies of fats are seriously diminished we may be in danger of receiving too little of these fat-soluble vitamins, D, A and E (in decreasing order of importance). In the last war the Germans, again pursuing the policy of "Guns before butter," were for some time living on a diet in which fat provided only about 5 per cent. of the total energy of the diet, as compared with a peace-time figure of nearly 20 per cent. The Japanese are able to live and work satisfactorily on a diet containing as little fat as the Germans in the last war, but the fat in the Japanese diet comes largely from fish and contains much more vitamins A and D than the fat in the German diet. It was therefore not surprising that the Germans living on this diet suffered serious and widespread ill health.

In this country during the present war attempts have been made to overcome these difficulties by supplementing the small ration of butter with margarine fortified with vitamins A and D. This is a satisfactory procedure so far as adults are concerned, but fails to meet the requirements of children, who need more of these vitamins than adults. The problem will be considered more fully later. Provided that an adequate supply of fat-soluble vitamins is ensured, it may be possible for us to live in good health on a diet containing a much lower proportion of fat than in peace-time. It might not be safe to reduce this proportion below 5 per cent., and in winter the cold weather might make it advisable to raise the figure to 10 per cent. (so that at least 20 per cent. of the total energy comes from fat). Moreover there is evidence that unsaturated fats such as occur in dairy produce and nut oils are of greater value than saturated fats such as occur in the hydrogenated fish oils used in margarine.

Energy from Fats.—The proportion of fat in the diet in different countries varies widely according to the climate, being eight

times as high in the cold climate of Greenland as in the hot climate of Java. In the temperate climate of Great Britain this variation is much smaller. A little more fat is eaten in winter than in summer, and the poorest tenth of the population in peacetime ate only half as much fat as was eaten by the richest tenth, but on the whole the proportion of fat in our diet is at present remaining fairly constant, being between a half and two-thirds of the peace-time level. For example, in a diet providing 3,000 Calories daily between 400 and 600 Calories will usually be obtained from fat. Since 1 gm. of fat provides 9.3 Calories the amount of fat eaten daily will be $\frac{400}{9.3}$ to

$\frac{600}{9.3}$ gm. or, in round figures, $1\frac{1}{2}$ to $2\frac{1}{2}$ oz.

The remaining 2,400 to 2,600 Calories will be obtained from carbohydrates and proteins. Since these are of equal energy value, 1 gm. of either providing 4.1 Calories, the amount of both needed will be between $\frac{2400}{4.1}$ and $\frac{2600}{4.1}$ gm. or approximately 20 to 22 oz. This, added to the $1\frac{1}{2}$ or $2\frac{1}{2}$ oz. of fat, makes a total of $21\frac{1}{2}$ to $24\frac{1}{2}$ oz. of solid matter to be provided daily.

Water Content of Food.—The table alongside shows that the proportion of solid matter in food varies widely, from 91.5 per cent. in brazil nuts to 5 per cent. in lettuce.

Since food analyses are usually considered from the economic point of view they are generally quoted on the condition as purchased. But from the physiological point of view, which considers the functions of food in the body, the solid matter is of great importance, and should serve as the basis for calculating the true food values. The water content of foods must be considered at the present time, when shortage of shipping space demands that foods be imported in the most concentrated form. Dried eggs, butter, cheese, bacon, sugar, wheat, dried fruit and nuts, including vegetable fats, are more economical of shipping space than beef, mutton, fish, tinned fruits or fresh fruit and eggs in shell.

Definition of Food Values.—In an average war-time diet about half the weight of food eaten is solid matter, so that the $21\frac{1}{2}$ to $24\frac{1}{2}$ oz. of solid matter needed for providing 3,000 calories daily will be contained in 43 to 49 oz. of food. Experiments have shown that persons living on a diet of this energy value eat on the average about

50 oz. of food daily, the extreme range in individuals probably being not much wider than 40 to 60 oz. daily. If a round figure of 50 oz. a day is taken as the average amount of food eaten by an adult, then each ounce of this food will have to provide on the average 2 per cent. of the total daily requirement of a given factor if the 50 oz. are to supply 100 per cent. and thus completely satisfy the requirement of that factor. In this series of articles food values are expressed as the percentage of the adult daily requirement of the given factor provided by 1 oz. of the food. Since we have seen above that on the average each ounce of the diet should supply 2 per cent. of the daily total requirement, a food value of less than two for any factor is unsatisfactory, because the more of the given food eaten, the greater will be the deficiency of that factor. On the other hand, the higher the food value rises above 2, the less of the food need be eaten to supply the requirement of a given factor. The vitamin A value of butter, for instance, was stated in the first article to lie between 8 and 50. A value of 50 would mean that 2 oz. of butter would provide 2×50 or 100 per cent. of the total daily requirement of vitamin A.

ENERGY VALUES OF FOODS

(Expressed as percentages of daily requirement of 3,000 Calories provided by 1 oz. of each food.)

Food	Percentage of solid matter	Energy Value	
		As purchased	Based on solid matter
Butter	86	$7\frac{1}{2}$	$8\frac{1}{2}$
Cheese (cream) ..	90	$7\frac{1}{2}$	$8\frac{1}{2}$
Herrings	36	$2\frac{1}{2}$	7
Brazil nuts	92	6	$6\frac{1}{2}$
Cheese (Cheddar) ..	63	4	$6\frac{1}{2}$
Eggs	27	$1\frac{1}{2}$	$5\frac{1}{2}$
Beefsteak*	32	$1\frac{1}{4}$	5
Milk	13	$\frac{1}{2}$	$4\frac{1}{2}$
Potatoes	24	1	$3\frac{3}{4}$
Bread (whole-meal)	63	2	$3\frac{1}{4}$
Carrots	10	$\frac{1}{4}$	$2\frac{1}{4}$
Lettuce	5	$1/10$	2

* If allowance is made for bones, etc., the energy value of beefsteak will be lower.

Energy Value and Food Intake.—When more energy is needed from food it is usually obtained not by increasing the

proportion of fat in the diet but by eating more of the same kind of food previously eaten. In other words, the food intake is more or less parallel to the energy requirement under given climatic conditions. This fact is of great importance in nutrition. It means that for factors such as the B vitamins, of which our daily requirement is directly proportional to our activity, the supply problem is greatly simplified. The more work we do the more of the B vitamins we need. But the more work we do the

more food we eat. Therefore if the B vitamins in our diet are supplied by foods (such as bread) which form a fairly constant proportion of the diet the increased amount of food eaten will provide the increased amount of vitamins needed, and vice versa. It will be seen later, when considering variations in requirements at different ages, that the problem becomes much more difficult when the need for these factors depends not on general activity but on some special function.

TRADE MARKS

(From "The Trade Marks Journal,"
March 18, 1942)

APPLICATION FOR TEMPORARY SUSPENSION

Under Section 3 of the Patents, Designs, Copyright and Trade Marks (Emergency) Act, 1939). No. 601,239, owned by Schering, Ltd.—Boots Pure Drug Co., Ltd.

ORDER MADE FOR TEMPORARY SUSPENSION

Under Section 3 of the Patents, Designs, Copyright and Trade Marks (Emergency) Act, 1939). Nos. 409,799, 451,670, 579,954, 425,425, 436,386, 610,393, 612,031, for word "META" and "META" with device, by H. R. Napp, Ltd. Date of Order, March 5. "P-PELS" ("P" disclaimed); for chemical substances for preserving foodstuffs and for promoting growth in agriculture, etc. (1). By Plant Protection, Ltd., Yalding, Kent. B614,691 (Associated).

"BOMAX"; for agricultural chemicals, etc., other than weed killers (1). By Limax, Ltd., St. Albans Road, Hemel Hempstead, Hertfordshire. 617,836.

"CAVATINA", "CRITIC", "CHIVALRY"; also device incorporating figure of man in Georgian dress with words "THE CRITIC" on either side; for soap, perfumery, cosmetics and toilet preparations (3). By R. Dixon & Co., Ltd., Rock Soap Works, Mough Lane, Foxenden, Middleton Junction, Lancs. 615,550, 615,551 (Associated), 615,552, 615,716 (Associated).

"SAFOIN"; for soaps, perfumery, essential oils, cosmetics, hair lotions and dentifrices. By W. J. H. Arnold, 189 Northolt Road, South Harrow, Middlesex. 616,238.

"DEARBORN" on rectangular device of deer and tree ("Dearborn" disclaimed); for cosmetics, hair preparations, depilatories, deodorants, toilet soap and shaving cream. By Dearborn (1923), Ltd., Hellidon House, Hellidon, nr. Daventry, Northamptonshire. 617,491.

"DENTAREX"; for toilet preparations for the teeth and for artificial dentures (3). By Cornwells (Wholesale), Ltd., 114 Leonard Road, Birches Head, Hanley, Stoke-on-Trent. 617,509.

"MULDENT"; for denture cleaning powder (3). By Cambridge Emulsions, Ltd., 104 Newgate Street, London, E.C.1. 617,720.

"LAST WALTZ"; for perfumery, cosmetics, and hair preparations (3). By R. Desvaux & Co., 413 Fulham Palace Road, London, S.W.6. 617,760.

"GRATITUDE"; for perfumery and cosmetics (3). By Picot, Ltd., 14 High Park Road, Kew Gardens, Richmond, Surrey. 617,786.

"OMNICIDE"; for insect and larvæ destroying preparations (5). By Superior Chemical Products, Inc., 247 South Third Street, Philadelphia, U.S.A. 616,453.

"ADEOL" over "K g's" on rectangular shape; ("K g's" disclaimed); for medicated dog biscuits (5). By M. Newmark and C. S. Lindsey, 5 Watling Court, Cannon Street, London, E.C.4. 616,796 (Associated).

"SOLCOR"; for lotion for the treatment or prevention of sunburn. By Coty (England), Ltd., 3 Stratford Place, London, W.1. 617,366.

"LUBRIJEL"; for pharmaceutical and veterinary preparations in the nature of jelly (5). By Kaylene, Ltd., Waterloo Road, London, N.W.2. 617,374.

"HOLOHERBRONS"; for pharmaceutical preparations and substances (5). By J. Jowett, 21 Pedder Street, Morecambe. 617,778.

Device of triangle on circle; for rubber articles for medical, surgical and veterinary purposes (10). By J. & A. Hillman, Ltd., Castle Works, Trindle Road, Dudley. 616,606.

"BELMAR"; for combs for the hair (21). By Combex, Ltd., Spirella House, Oxford Circus, London, W.1. 617,688.

CANCELLATIONS ON APPLICATION OF THE PROPRIETORS

Specifications Nos. 255,112-15-16. Cancelled in respect of all goods except medicated mouthwash: 255,113; in respect of all goods except denture cleaning powder: 255,118; in respect of various food preparations, meat extracts, prepared cereals, beverages, etc.: 258,616; in respect of toilet and household brushes: 485,534; in respect of toilet preparations (not medicated) for the mouth: 516,400; in respect of all goods except tooth-paste, tooth-powder, solid dentifrice and denture-cleaning powder: 551,746. By Cranbux, Ltd.

Specification No. 572,506, by British Rodent Exterminator Co.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency

28 Essex Street, W.C.2, April 8

THE London drug and chemical markets have reopened on a quiet but steady note after the short holiday break, and a modest volume of business is recorded. Prices are generally quite firm, but without appreciable fluctuation. Conditions in the PHARMACEUTICAL CHEMICALS markets remain quietly steady, with quoted prices practically all unchanged. Makers of BISMUTH SALTS announce an advance of threepence per lb. in SUBGALLATE.

Crude Drugs

There are no outstanding features to report in these markets. Business has again been quiet, but quotations are firmly maintained, and many commodities are difficult to obtain. Little interest is being taken in AGAR, but prices remain high. There are still no spot offers of CURAÇAO ALOES. Stocks of BUCHU are in small compass. Some varieties of CHILLIES are dearer. CLOVES is steady and unchanged. Spot supplies of COLOCYNTH seem to be exhausted and prices are nominal. There have been no developments in the position of DERRIS. ERGOT is quiet. No information has yet been forthcoming regarding control of GINGER. GUM ACACIA is without quotable change on the week. QUILLAIA BARK is in short supply. There have again been numerous inquiries for RHUBARB. Values of any available small lots of SENEGA are unchanged. SHELLAC is quiet, with some grades unquoted. Ample supplies of SQUILL are available. Values of medium grades of TRAGACANTH are unchanged.

Essential Oils

Quiet conditions have again ruled in these markets, and price changes have been few. Business in BAY is of small account, but prices are steady. BOIS DE ROSE is steady at unchanged rates. CAJUPUT is firmly held on spot. Values of CANANGA are nominal. There have been numerous inquiries for CASSIA, but supplies are not available. The position of CEDARWOOD is unchanged. CITRONELLA is firm, but prices are without quotable change on the week. English distillers' prices for CLOVE are unaltered. Small quantities of GINGER-GRASS are available on spot. LIME is firmly held.

Exchange Rates on London

The following were Bank of England fixed rates at the opening on April 8: New York, 4.03 dollars; Montreal, 4.45 dollars; Lisbon, 100 escudos; Stockholm, 16.90 kroner; Zurich, 17.35 francs; Buenos Aires, 17.04½ paper pesos; Netherlands West Indies, 7.60 florins. The official Madrid rate remains at 40.50 and the free rate at 46.55 pesetas. Chinese national dollar is at 31½d.

Pharmaceutical Chemicals

ACETANILIDE.—Small trade; values unchanged. B.P.C. crystals and powder, from 2s. 4d. to 2s. 6d. per lb., as to quantity.

ALLOBARBITONE.—Makers' quotations are steady at approximately 6os. per lb.

AMIDOPYRINE.—Small supplies, prices firm at around 45s. per lb.

ASPIRIN.—Makers' current scales of prices for powder and tablets were given last week (p. 396).

ATROPINE.—No changes have been notified in makers' prices: ALKALOID, 28s. per oz., 4 oz., 28s. 6d., and 25 oz., 28s. per oz. SULPHATE, 23s. per oz.; 4 oz., 22s. 6d., and 25 oz., 22s. per oz. Bottles, under 5-gm. or ¼-oz., corked, 3d.; stoppered, 5d.; 5-gm. to 25-gm. or ¼-oz., corked, 3½d.; stoppered, 6d.; 25-gm. or 1-oz., corked, 3½d.; stoppered, 7½d.; 50-gm. or 2-oz., corked, 4d.; stoppered, 9d. each; 100-gm. and over, included in price; tubes, per 100, 5-gr., 10s. 6d.; 10-gr., 12s. 3d.; 15-gr., 14s.

BISMUTH SALTS.—An advance of threepence per lb. for subgallate, due to a rise in the price of gallic acid, has been announced. The new prices are as follows: Not less than 1 cwt., 10s. 1d. per lb.; 28 lb. to 1 cwt., 10s. 4d. 8 lb. to 28 lb., 11s. 10d.; 4 lb. to 8 lb., 12s. 7d. under 4 lb., 13s. 1d. Other bismuth salts are unchanged.

BORAX AND BORIC ACID, B.P.—Prices were last changed on November 24, 1941, when the following rates per ton were fixed: BORAX.—Granulated, £39 10s.; crystals, £40 10s. powder, £41 10s. BORIC ACID.—Granulated, £60 15s.; crystals, £61 15s.; powder, £62 15s. Commercial quality, £8 per tin below these figures. Packed in one-cwt bags, delivered carriage paid in Great Britain, in one-ton lot and upwards.

BROMIDES.—Makers' prices per lb. for cwt lots of POTASSIUM are as follows: 2s. 9½d. (28-lb. parcels); 2s. 10d. (14-lb. parcels); 2s. 10½d. (7-lb. parcels); 2s. 10¾d. (4-lb. parcels); 3s. 0½d. (1-lb. parcels). Prices for SODIUM are at one penny per lb. above these prices, and for AMMONIUM threepence per lb. above.

CITRATES.—Makers' prices for POTASSIUM, B.P., are given in table below, and prices of SODIUM, B.P., are at one penny lb. below, and IRON and AMMONIUM (SCALES), B.P., at three-pence per lb. above the tabulated prices:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
Under 4 lb.	s. d. 3 6	s. d. —	s. d. —	s. d. —	s. d. —
From 4 lb. ..	3 5	3 3½	—	—	—
From 7 lb. ..	3 4	3 2½	3 1½	—	—
From 14 lb. ..	3 3	3 1½	3 0½	3 0½	—
3 lb. to 1 cwt.	3 2	3 0½	2 11½	2 11½	2 11

Prices net. All packages charged extra. It is a condition of sale that buyers shall not re-sell at prices below the values given.

CODEINE.—No changes have been notified in makers' quotations as previously given.

ETHERS (METHYLATED).—The following are makers' prices:—

Specific gravity and grade	Winchester quarts, per lb.	Not less than		Drums and carboys, per lb.
		6 w. qts., per lb.	12 w. qts., per lb.	
750	s. d. 1 5½	s. d. 1 4½	s. d. 1 4½	s. d. 1 3½
735	1 5½	1 5½	1 4½	1 3½
730	1 5½	1 5½	1 4½	1 3½
725	1 7½	1 7½	1 6½	1 5½
725 triply rectified	2 0½	1 11½	1 11½	1 10½
720	1 8½	1 8½	1 7½	1 6½
717	2 2½	2 2½	2 1½	2 0½
720 B.P., not for anaesthesia	1 10	1 9½	1 9	1 8

At prices, usual terms. Special prices for quantities and contracts, subject to rise-and-fall clause. Prices for aesthetic ethers unchanged.

MERCURIALS.—Controlled prices for quantities up to two cwt. are as follows:—

Mercury compound	Over 7 lb. but less than 28 lb.	28 lb. and over but less than 1 cwt.	1 cwt. and over but less than 2 cwt.
	s. d.	s. d.	s. d.
chloride, powder ..	12 0	11 8	11 7
chloride (industrial quality) ..	12 0	11 8	11 7
chloride, lump ..	12 7	12 3	12 2
ammonium chloride, powder ..	13 10	13 6	13 5
ammonium chloride, lump ..	13 8	13 4	13 3
chloride (mercurous) ..	14 2	13 10	13 9
chloride, red crystalline, B.P. ..	15 11	15 7	15 6
chloride, red levigated, B.P. ..	15 5	15 1	15 0
chloride, red technical ..	All quantities—14s. 8d. per lb.		
chloride, yellow levigated, B.P. ..	15 4	15 0	14 11
chloride, yellow technical ..	All quantities—14s. 4d. per lb.		

Packages free for quantities of 28 lb. and over; delivery free on orders of £20 and over.

GLYCERIN.—Current rates for small quantities are as follows: 1-cwt. drum, 86s. per cwt.; 56-lb. tin, 94s.; 28-lb. tin, 97s.; 14-lb. tin, 100s. per cwt. All prices are subject to discount of 2½ per cent. for cash in twenty-eight days.

METHYL SALICYLATE.—Makers' prices are steady as quoted: Five cwt., 1s. 10d. per lb.; one cwt., 1s. 10½d.; smaller lots, in bottles, 2s. 0½d. per lb.

PHENOLPHTHALEIN.—Prices are unchanged: Less than 7 lb., 4s. 3d. per lb.; 7 lb., 4s. 2d.; 14 lb., 4s. 1d.; 28 lb., 4s.; 1 cwt., 3s. 11d.

PILOCARPINE.—Makers' prices are as follows: BASE.—25 oz., 26s. per oz.; 4 oz., 26s. 6d.; 1 oz., 27s. HYDROCHLORIDE.—25 oz., 20s. 3d.; 4 oz., 20s. 9d.; 1 oz., 21s. 3d. NITRATE.—25 oz., 17s. 6d.; 4 oz., 18s.; 1 oz., 18s. 6d.

POTASSIUM PERMANGANATE.—The following are makers' present scales of prices: B.P., in 1-cwt. drums.—From 1 cwt., 1s. 10d. per lb.; from 3 cwt., 1s. 9½d. Technical, in 1-cwt. drums.—From 1 cwt., 17os. 6d. per cwt.; from 3 cwt., 166s.; from 5 cwt., 163s. 6d.; from 1 ton, 161s.; from 4 tons, 158s. 6d. Technical, in 5-cwt. drums.—From 5 cwt., 161s. per cwt.; from 1 ton, 158s. 6d.; from 4 tons, 156s. 3d. Net, delivered nearest railway station in Great Britain, drums extra and returnable.

SALICYLIC ACID.—Quantities of one to five cwt. are quoted by makers as follows (containers in brackets): 1s. 9½d. per lb. (28 lb.); 1s. 10d. (14 lb.); 1s. 10½d. (7 lb.); 1s. 10¾d. (4 lb.); 2s. 0½d. (1 lb.). Prices include parcels or collapsible cartons; other packages extra.

SANTONIN.—Convention prices for the home trade are quoted unchanged: 15 kilos and over, £46 10s.; not less than 10 kilos, £47 5s.; not less than 5 kilos, £48 5s.; less than 5 kilos, £50 per kilo, delivered free in the United Kingdom; 1-kilo packages free.

STRYCHNINE SALTS.—British makers' prices per oz. are as follows:—

Compound	Under 100 oz.	100 oz. and under 500 oz.	500 oz. and over
	s. d.	s. d.	s. d.
Alkaloid, crystalline ..	3 0	2 10½	2 9
Alkaloid, precipitated ..	3 0	2 10½	2 9
Acetate	3 2½	3 1	2 11½
Arsenate	3 1	2 11½	2 10
Arsenite	3 2½	3 1	2 11½
Bisulphate	2 4½	2 3	2 1½
Hydrochloride	2 9½	2 8	2 6½
Hypophosphite	5 6	5 4½	5 3
Nitrate, crystalline	2 9½	2 8	2 6½
Nitrate, powder	2 9½	2 8	2 6½
Nitrate, powder, No. 2 ..	2 3	2 1½	2 0
Phosphate	3 7½	3 6	3 4½
Sulphate, neutral, crystalline	2 6	2 4½	2 3
Sulphate, neutral, powder ..	2 6	2 4½	2 3
Sulphate, neutral, powder No. 2	2 1	1 11½	1 10

25-oz. containers and outer cases free; smaller packages extra. Contracts may be booked for quantities of 100 oz. and over, with rise-and-fall clause, for a period of six months. Terms net thirty days. Wholesale distributors' prices for small quantities would be dearer.

SODIUM SALICYLATE.—Makers' prices per lb. for 4-lb. containers are as follows: From 4 lb., 2s. 10½d.; from 7 lb., 2s. 9½d.; from 14 lb., 2s. 8½d.; from 28 lb., 2s. 7½d.; from 1 cwt., 2s. 2½d.; from 5 cwt., 2s. 2½d. Prices include parcels or cartons; other packages extra.

VANILLIN.—Makers' prices are at the levels recorded last week: Ex clove oil or guaiacal, five cwt., 22s. 6d. per lb.; one cwt., 22s. 9d.; 56 lb., 23s.; less than 56 lb., 23s. 3d., carriage paid in U.K. Tins in cases returnable.

Crude Drugs

AGAR.—Quiet, with values of available supplies about unchanged. Kobe No. 1, unrestricted, spot, a little at about 65s. to 75s. per lb.; bacteriological, spot, from 25s. to 30s. per lb.

ALOES.—Small supplies of Cape can be bought on spot at from 55s. to 57s. 6d. per cwt., according to holder. Forward quotations for Curaçao remain at about 450s. per cwt. Some business is reported done in Cape at 40s. per cwt., cost and freight; further orders sent out brought back 45s. lowest, cost and freight.

American sources state that the 1942 aloes crop in the Netherlands West Indies will be later than usual, because of drought. The crop is expected to be better than in 1941.

ANTIMONY.—The price of English minimum 99 per cent. regulus remains at £120 per ton, delivered; 70 per cent. for home trade, £100 per ton, delivered.

BALSAMS.—Spot prices of *Tolu* remain at around 9s. to 9s. 3d. per lb., but supplies are restricted; *Copaiba*, B.P., 9s. per lb., nominal; *Canada*, about 7s. 6d. per lb., ex store U.K., duty paid.

BENZOIN.—Regular dealers are still selling Sumatra at from £12 to £14 per cwt., according to quality. Demand has been good.

BISMUTH METAL.—High-grade metal is steady at 6s. 3d. per lb., for minimum 5-cwt. lots.

BUCHU.—Fair green rounds, stocks of which are in small compass, would be worth around 6s. per lb.

CALUMBA ROOT.—Good washed is available on spot at approximately 160s. per lb.

CAMPHOR.—In good inquiry. Chinese B.P. powder is selling to approved buyers at about 11s. 6d. per lb., with some Japanese slabs at about the same price and some Chinese crude (92 per cent.) at about 10s. per lb. Restricted quantities of English synthetic, B.P., are understood to be available to approved consumers at 7s. per lb.

CARDAMOMS.—Demand is small, and values of all descriptions are unchanged. Current prices are as follows: Spot, Aleppy greens, 5s. 3d. per lb.; Aleppy seed, 6s.; Bombay seed, 5s. 6d.; Mangalore seed, 6s.; shipment, Aleppy greens, 4s. per lb., c.i.f.; Bombay seed, 4s. 10d., c.i.f.; Mangalore bleached A, 5s. 3d., c.i.f.; Mangalore bleached B, 4s. 9d. per lb., c.i.f.

CASCARA SAGRADA.—Inquiry has been maintained. No news has yet become available regarding importation and distribution under the Lease-Lend Act.

CASCARILLA.—Dealers would require about 3s. 3d. per lb. for quills and about 2s. 6d. per lb. for siftings.

CHILLIES.—All varieties show advances on the week. Zanzibar, spot, 180s. per cwt.; sellers of Mombasa at the same figure. Spot values of both Sierra Leone and Sudan show advances to 175s. per cwt., duty paid.

CINCHONA BARK.—The position is difficult, as available stocks are small. Some business is reported done on spot in East India bark testing 0.50 per cent. S.Q. at 1s. 9d. per lb.

CLOVES.—Unchanged, with sellers of Zanzibar on spot at 2s. 4d. per lb.; Madagascar, unquoted.

COCHINEAL.—Supplies are in small compass, with grey on spot at around 5s. per lb. and black at about 5s. 3d. per lb.

COCOA BUTTER.—The official maximum price remains at 1s. 5½d. per lb., ex factory or warehouse, except under Ministry of Food licence.

COCONUT (DESICCATED).—The maximum price, as fixed by a Ministry of Food Order, is 49s. per cwt.

COLCHICUM.—Any small spot supplies of Indian corms would be worth about 2s. 9d. to 3s. per lb.

COLOCYNTH.—There appear to be no supplies left on spot, and prices are nominal.

DERRIS ROOT.—The position is unchanged.

DIGITALIS LEAVES.—Portuguese leaves can be had on spot at approximately 105s. to 110s. per cwt., ex store.

DRAGON'S BLOOD.—The price of fair reboiled is nominal at £40 per cwt.

ERGOT.—Quiet, with prices at former levels. Spot, about 7s. 6d. per lb.; shipment, around 7s., c.i.f.

GINGER.—Nominal, pending the fixing of maximum prices by the Ministry of Food. West African, spot, 185s. per cwt.; Cochinchina, unwashed, spot, 182s. 6d. quoted.

GUM ACACIA.—No quotable change has occurred during the week. Kordofan cleaned sorts, spot, unrestricted, 225s. per cwt., nominal; restricted, 200s. per cwt.; shipment, 70s. per cwt., nominal, c.i.f.

HONEY.—Revised price schedules for first hand and wholesale sales were given last week (p. 398).

The Ministry of Food announces that no further licences will be issued for the importation of honey except from Eire. Importers who hold licences for honey, who was not shipped by March 31, should send full particulars of their contracts to the Secretary, Honey Importers and Packers' Association, Lacey Green, Aylesbury Bucks.

IPECACUANHA.—Values are firm but without change in the week. Matto Grosso, spot, about 18s. 3d. per lb.; shipment price for March-April would be nominal at about 16s. per lb.

M. The March-April shipment price for Minas around 11s. 4d. per lb., c.i.f., making the spot value about 12s. 3d. per lb. Current prices for EXT. IPECAC. LIQ., in winchester quarts, are as follows: B.P., 1932, under three, 26s. per lb.; three and under six, 25s. 6d.; six and under twelve, 25s.; twelve and over, 24s. 6d. per lb. P., 1914, under three, 24s. per lb.; three and under six, 23s. 6d.; six and under twelve, 23s.; twelve and over, 22s. 6d. per lb., all prices net.

JABORANDI.—About 55s. to 60s. per cwt. could be wanted for fair quantities on spot; single bales would be dearer.

LIQUORICE ROOT.—Some Russian root is available on spot at £60 per ton.

MENTHOL.—Very little doing. Spot price of Chinese remains at about 70s. to 72s. 6d. per lb.

NUX VOMICA.—Cochin, washed and garbled, can be bought for about 37s. 6d. per cwt. on spot.

ORANGE PEEL.—The spot price of any available small supplies would be between 6d. and 4s. per lb., according to grade and holder.

PAPAIN.—In small supply on spot at around 8s. to 17s. per lb.

PIMENTO.—There are sellers on spot at 2s. 1d. per lb.; shipment, April-May, now at 155s. per cwt., nominal, c.i.f.

PODOPHYLLUM.—*Emodi*, 15 per cent., spot, approximately 70s. per cwt.

QUILLAIA BARK.—No further supplies appear to be available on spot, but some replenishments are expected.

RHUBARB.—Inquiry has again been good. Rough-round, spot, about 7s. 3d. to 7s. 9d. per lb. Small supplies of Shensi might be obtainable on spot at around 9s. to 9s. 6d. per lb.

SENEGA.—Any small spot supplies would be at about 7s. 3d. to 7s. 6d. per lb.

SENA.—Alexandrian medium hand-picked, about 4s. 6d. to 5s. 6d. per lb.; Alexandrian fines, siftings, about 1s. 3d. per lb.; Tinnevely fines, 1s. 3d. to 1s. 5d. per lb. for selected and about 8d. per lb. for f.a.q.

SHELLAC.—Quiet. Standard TN orange, spot, 6s. 6d. per cwt., value; shipment, unquoted. Fine button, unquoted; fine orange, 240s. to 250s., quoted.

SQUILL.—Quiet, with ample supplies offered from 75s. to 90s. per cwt., according to pur.

TROPHANTHUS SEED.—Kombé, 100 per cent., can be had on spot at about 10s. 6d. to 11s. 6d. per lb., according to quantity.

TRAGACANTH.—Values of medium grades are changed: No. 1, white, £150; No. 2, white, £125; No. 3, white, £115; pale leaf, £105; green leaf, £85; red leaf, from £40; woody and dry, from £25, ex store.

WAXES.—**BEES'.**—Nominal on spot at 295s. per cwt.; in bond, no quotations; **Dar-es-Salam**, no quotations; **Japanese**, 335s.

CAUABA.—Fatty grey, 525s.; chalky grey, 515s.; Primeira, 620s. per cwt.

Essential and Expressed Oils

ANISE (STAR).—Small routine business reported. Spot, tins in cases, about 51s. to 52s. per lb.; odd drums, about 50s. to 51s.

BAY.—Steady and unchanged, with supplies restricted. Spot value of any available oil would be in the region of 10s. to 12s. per lb.

BOIS DE ROSE.—Steady on spot at between 27s. and 30s. per lb.

CAJUPUT.—Spot prices are firm in the neighbourhood of 15s. per lb.

CANANGA.—Spot prices are nominal at about 60s. per lb.; supplies are restricted.

CASSIA.—There have been many inquiries, but no stocks are available.

CEDARWOOD.—Future supplies are likely to be imported and distributed under the Lease-Lend terms. Spot values are nominal at around 6s. 6d. per lb.; no forward quotations.

CITRONELLA.—Firm conditions obtain for Ceylon, the spot price being about 16s. 3d. per lb.; Java, spot, nominal at around 24s. per lb.

CLOVE.—Supplies are restricted, with English distillers' prices at from 15s. 6d. to 18s. per lb.

EUCALYPTUS.—Current spot value of 70 to 75 per cent. oil would be 5s. to 5s. 6d. per lb.

GERANIUM.—Prices are nominal and would have to be negotiated.

GINGERGRASS.—Supplies may be had on spot at approximately 25s. per lb.

GROUNDNUT.—As noted last week, prices have been advanced to £44 10s. per ton, naked ex works, for refined deodorised.

LAVENDER.—Spot prices of good-quality oil are steady at about 85s. per lb.

LIME.—Restricted supplies of genuine West Indian are firmly held for about 62s. 6d. per lb.

LINSEED.—The official price of crude, naked ex works, is unchanged at £41 10s. per ton.

PALMAROSA.—Spot price would be in the region 35s. per lb.; shipment, approximately 25s. per lb., c.i.f.

PATCHOULI.—Spot values remain nominal at around 60s. per lb.

PEPPERMINT.—In good demand, with about 77s. 6d. to 80s. per lb. mentioned as the spot price of Chinese, according to holder.

PETITGRAIN.—Spot, if available, would be worth approximately 25s. per lb.

SANDALWOOD.—Genuine East Indian Mysore remains at 30s. per lb., for delivery in one-case lots. Australian would be at about 28s. 6d.

TURPENTINE.—The following maximum prices were fixed recently by the Ministry of Supply: In containers supplied by seller, 5 gall., 7s. 11d.; 10 gall., 7s. 8d. per Imperial gallon, both duty paid, ex store or warehouse, for net cash. A reasonable extra charge may be added for credit.

WORMSEED.—Future supplies are likely to be imported under the Lease-Lend Act.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

False Economy

SIR,—Evidently it has taken a world war to convince the powers that be that their policy of large-scale prescribing of medicines by doctors under the guise of economising in dispensing fees was utter waste. Restricted supplies of many drugs has compelled doctors to order smaller quantities and repeat only when necessary, but one still encounters prescription forms calling for two or three months' supply for one fee. I had one such the other day—a bulk powder of about 1½ lb. When I handed it over to my customer, a lady, she looked at the parcel then gasped—but perhaps it would be better not to repeat her remarks.

Yours truly,
PANEL CHEMIST.

Post-war Medication

SIR,—Various committees are planning post-war reconstruction, and it seems fairly certain that the Government will assume responsibility after the war for the medical treatment of larger numbers of the people than at present. Does it not seem logical that at the same time the State should restrict the operations of the less responsible agents anxious to medicate the masses for their own profit? Surely the object of the State's action is to benefit the citizen and improve the health and stamina of the nation. The aim of parties manufacturing medicaments for the treatment of ill-health must be, first and foremost, private gain. Thus the welfare of the citizen may be jeopardised by the more commercial considerations which must actuate the proprietary medicine vendor. Would it not be wise therefore in conjunction with any future extension of the National Health Service for the State to enact that medicinal substances or preparations intended for human use or consumption should not be manufactured except under licence from the State (all formulas of course to be disclosed and approved), and that no such medicinal substances or preparations should be sold or distributed except through the agency of persons approved by the State as being legally qualified to handle them? It is in the public interest it should be so.

Yours faithfully,
CITIZEN.

MISCELLANEOUS INQUIRIES

Corn Razors.—*B. & Co.*—Corn knives, planes and razors are not regarded as controlled goods under the Limitation of Supplies (Miscellaneous) (No. 13) Order, 1941, i.e., there is no restriction on the supply of these goods.

Combined Sales.—*E. P. J.*—It is not permissible to impose a condition of sale when the hair-cream alone is asked for by making a customer buy a combined parcel containing the hair-cream and tooth-paste. This procedure is not legal and a person so doing would be guilty of an offence under Section 9 of the Goods and Services (Price Control) Act, 1941.

Etching Fluid for Zinc.—*V. W.*—The following formulas will probably be suitable for your purpose:—

1. Ammonium nitrate	..	2
Ammonium phosphate	..	2
Gum acacia solution	..	20
Water	..	75
2. Acetic acid (30 per cent.)	4	
Alcohol	..	1
Add gradually:		
Nitric acid	..	1

Onion Weed Control.—*T. N.*—According to a recent pamphlet issued by the Ministry of Agriculture (Advisory Leaflet 309) experiments have shown that weeds in onion crops can be killed by spraying with solutions of sulphuric acid without causing any permanent damage to the crop. The first time to spray is just before the onion seedlings appear above ground and should not be left until the onion seedlings have appeared above ground. The second spraying should be done after the second crop of weed seeds has germinated in May or early June. 100 gall. of the spray should normally be sufficient for one acre. The first spray solution should be made up as follows: Every 100 gall. of solution should contain 13 gall. of B.O.V. sulphuric acid (brown oil of vitriol 77 per cent.) plus 1 pi of a wetting agent of the sulphonated type. For the second spray, the strength of the solution depends on the kinds of weeds present in the crop, from 6½–10 gall. of B.O.V. per 100 gallons being used. **Mixing.**—The acid is poured into half the amount of water and then the wetting agent is added. The rest of the water is finally added.



and now

PERANDREN

REGISTERED **LINGUETS** TRADE MARKS

SUBLINGUAL ADMINISTRATION OF THE MALE SEX HORMONE

Following recent investigations of an orally active preparation of the male sex hormone, methyltestosterone, it has been shown that this derivative of testosterone is more rapidly and more completely absorbed into the sublingual vessels than when swallowed.

PERANDREN LINGUETS

each containing 5mg. methyltestosterone
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They should be placed beneath the tongue,
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Bottles containing 20 and 100 Linguets.

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JEFFREYS, MILLER & Co. Ltd. Leyland Mills, WIGAN. London Dept. 19 Brookside Road, N.19**BRADY & MARTIN, LIMITED***Manufacturers of*
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For fuller particulars consult page 66

THE CHEMIST & DRUGGIST DIARY AND YEAR BOOK, 1936

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We do not handle Proprietaries or Sundries, but whilst the bulk of our output in

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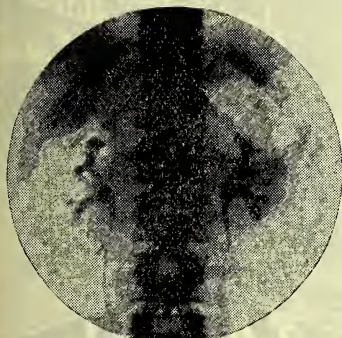
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Japan Wax, White
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In natural and powder form

Official Agents

**ANGELO BROS. LTD
SHELLACS**

IMPORTANT

We regret to have to advise our many friends that our city offices were recently completely demolished by enemy action. We have, however, made complete arrangements to carry on from our works address, and future enquiries should be sent to:

A. F. SUTER & CO. LTD.

VICTORY WORKS, 83/84 EASTWAY, HACKNEY WICK, LONDON, E 9
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*Ample supplies available
In case of difficulties
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RETAIL PRICE
50's — 3/4
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EVERYTHING FOR THE CHEMIST...

SPECIALITIES INCLUDE:—

- **SUPER-LAX**
CHOCOLATE LAXATIVE
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We are now in a position to manufacture large quantities of Ampoule Files and invite inquiries

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AN ANNOUNCEMENT

Chemists who have enquiries for tooth sticks should get in touch with Keenes Laboratories Limited, 46 Elswick Road, Newcastle-on-Tyne, 4, who are manufacturing Keenes Dental Stimulators, and these are available in fairly large quantities.

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The word "OXOID" is the trade mark of OXO Ltd., and is used in connection with their therapeutical preparations both in tablet and fluid extract form.

ORGANO-THERAPEUTICAL PRODUCTS

OXO LABORATORY PREPARATIONS

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OESTRIN

Indications: Menopause; Menstrual Irregularities; Uterine Inertia; Amenorrhœa; Pruritis Vulvæ; Suppression of Lactation.

Tablets: 1000 I.U. Ampoules: 1000-50000 I.B.U.

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Indications: As for Oestrin.

A highly potent œstrogenous substance for oral administration.

Tablets: 0.5 mg., 1.0 mg. and 5.0 mg.
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Licensed and standardised in accordance with the Therapeutic Substances Act. For the Induction of Labour; Uterine Inertia; Post Partum Hæmorrhage; Surgical Shock; Diabetes Insipidus.

Ampoules: 5, 10 and 20 I.U.

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Useful for the treatment of Asthma; Epistaxis; Tonsillitis; Hay Fever; Influenzal Crisis; Surgical Shock; etc.

Solution: 1 in 100 and 1 in 1000. Ampoules: 1 in 1000.

Literature supplied on application

OXO LIMITED, Thames House, London. E.C.4

OXO LABORATORY PREPARATIONS

MACLEANS HYDROGEN PEROXIDE NEW RETAIL PRICE

PER **9^d** BOTTLE

(including Purchase Tax)

Owing to the increased cost in the production of MACLEANS HYDROGEN PEROXIDE we have reluctantly decided to increase the retail price to the public to 9d. per bottle including Purchase Tax, as from 1st April, 1942.

The new Trade Terms will be as detailed below, and all invoices as from 1st April next will be at the new rates. The prices charged will be in accordance with the value of the Display Parcel ordered:—

"SMALLS" PRICE - - - **5/4**
(Available through Wholesaler)

INTERMEDIATE DISPLAY PRICE **5/3**
(Available direct)

BEST DISPLAY PRICE - - - **5/2**
(Only available direct)

Purchase Tax 10³/_d. per dozen.

The above revision in Price and Trade Terms has been arranged in accordance with the provisions of the Prices of Goods Act.

The demand for MACLEANS HYDROGEN PEROXIDE is considerably in excess of the supply, and orders for this product can only be accepted through our representatives, as at present. In order to conserve cardboard and thereby assist us to continue to send out supplies, only orders for 3 dozen lots of the 9d. size, or exact multiples of 3 dozen, can be accepted in future.

MACLEANS LTD.
GREAT WEST ROAD, BRENTFORD
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Tel.: Ealing 6610. Wires: Macleans, Brentford

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THE FAMOUS RHEUMATIC REMEDY

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(INCLUDING PURCHASE TAX)

As some chemists are confused about the new selling prices of Curicones they are as follows:—

5/- 14/- 24/-

Curicones show you 50% PROFIT on Purchase Prices, 33% PROFIT on Sales.

★

Although at present supplies of Curicones are normal and we are endeavouring to maintain them as long as possible, yet as various raw materials are becoming increasingly scarce we advise chemists to re-order without delay before their stocks are depleted.

★

In your district most adults suffer in some degree from rheumatic ailments

★

Curicones are a P.A.T.A. line. Our National Advertising continues with undiminished vigour.

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Examine your stocks of Curicones; there's big trade for you. it's worth while

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THE BRITISH MINERAL WATER

Prices, discounts and full particulars from:
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for all

SKIN TROUBLES



Advertising for D.D.D. Prescription appears regularly in the national and provincial press. "Copy" emphasises the fact that our well-known product is not only a reliable remedy for skin troubles but being a powerful liquid antiseptic, is ideal for the First Aid treatment of cuts, burns, scalds, scratches and minor wounds.

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Doctors and nurses have been recommending Winox for nearly 30 years. Now that supplies are restricted, please see that as far as possible they go to customers who need them. The beef and malt nourishment is specially predigested by enzymic process for digestion weakened by illness.



BROOKS & Warburton Ltd.

232-242 Vauxhall Bdg. Rd. London, S.W.1

(Sole Distributors to the Pharmaceutical Trade)

COMPOUND SYRUP OF HYPOPHOSPHITES

Many of your customers know that the "FELLOWS" brand is the best syrup of hypophosphites that money can buy.

The name is a guarantee of purity; and no effort is spared to maintain the excellence of this Syrup.

Because it commands the confidence of the Medical Profession, and of the public, the sale and recommendation of "FELLOWS" will enhance your prestige, and add distinction to your pharmacy.



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The PERFECT BABY FOOD

The severe restrictions in the amount of raw materials obtainable compel us to ration our supplies of VITASAC, but every effort is made to ensure equitable distribution.

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Adapted for
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SPECIALISTS IN B.P. POWDER
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Trade

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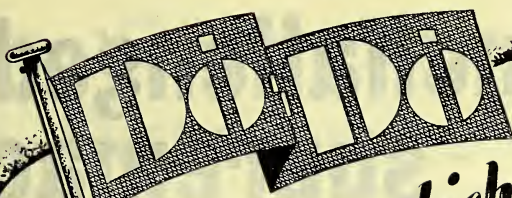
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A SAFE AND EFFICIENT GERMICIDE FOR ALL PURPOSES

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Non-poisonous, pleasant to use and of high bactericidal power

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*the Tablet which keeps
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**THE IDEAL NUTRITIVE VITAMIN
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AND VITAMINS "A" AND "D"

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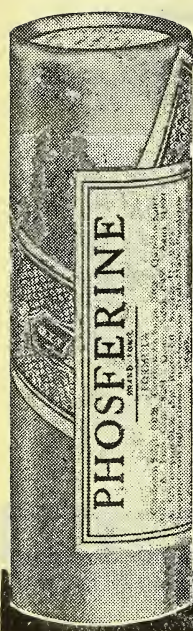
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*Sweetened and
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Retail 4d. Ordinary Strength
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We Specialise in
"OWN FORMULA" Pharma-
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All our well-known specialities
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NO SHORTAGE OF SUPPLIES

GOOD PROFITS FOR THE CHEMIST

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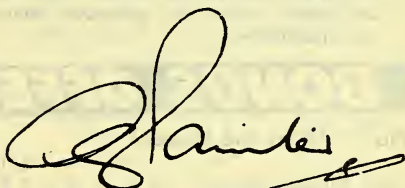
For you, Mr. Retailer, because he helps you to profit, right away, from a great line, backed by a great national advertising campaign. A stock of Koray is on your shelves, advertising matter affixed, and you are cashing in almost before he has left your premises.

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** THE MAN FROM KORAY has a specified function. He is essentially a "pioneer" man. When he has completed his job in one area he moves on and the resident representative of Koray then takes over, his job being to continue to afford the fullest assistance to wholesaler and retailer.*

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To retailers requiring further stocks of Koray we say, please apply to your usual Wholesale House. To wholesalers we say, we are confident that you can meet the demand for Koray which has already been created and which is still, as yet, not fully satisfied. To all we say, if you want any help please write to us, today, personally. The writer promises you an immediate reply. The address is easy to remember.



General Sales Manager.
KORAY LIMITED, BLACKPOOL.

FOR YOUR INFORMATION

PRICE OF KORAY TO YOU

KORAY UNITS ..	9/- per unit
(3 cards of 16 cartons, or 1 box of 4 doz.)	
KORAY 10's ..	4/6 per dozen
KORAY 28's ..	11/3 per dozen
KORAY 64's ..	22/6 per dozen

Subject to Purchase Tax at 16 $\frac{3}{4}$ per cent.

PRICE TO PUBLIC

3 $\frac{1}{2}$ d. per carton of 5 tablets
7d. per carton of 10 tablets
1/5 per carton of 28 tablets
2/10 per carton of 64 tablets

Including Purchase Tax

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THE ORIGINAL ACTIVATED CAMOMILE EXTRACT IN AN IMPROVED BRITISH FORM

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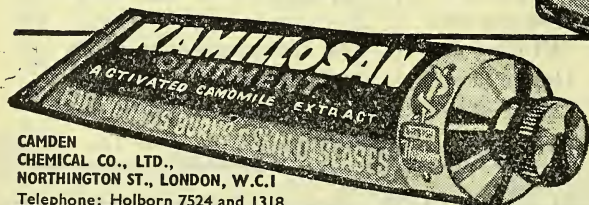
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	Cost	Sells for
3 doz. LIQUID (50 c.c.)	£ 3 7 6	£ 5 5 0
3 doz. LIQUID (100 c.c.)	5 14 9	8 18 6
3 doz. OINTMENT	2 0 6	3 3 0
	£11 2 9	£17 6 6

No. 2 (13 to the Dozen)

	Cost	Sells for
1 doz. LIQUID (50 c.c.)	£ 1 5 6	£ 1 12 6
1 doz. LIQUID (100 c.c.)	1 18 3	2 15 3
1 doz. OINTMENT	13 6	19 6
	£ 3 17 3	£ 5 7 3

The above prices do not include Purchase Tax



CAMDEN
CHEMICAL CO., LTD.,
NORTHINGTON ST., LONDON, W.C.1
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RETAIL PRICES (inc. Tax)
LIQUID: (50 c.c.) 2/
(100 c.c.) 4/
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A BRITISH *Homburg* PHARMACEUTICAL PREPARATION



The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

APRIL 11
1942

28, ESSEX STREET, LONDON, W.C.2

Advertisements in this supplement must be prepaid and should reach us not later than WEDNESDAY week of issue. Box Office numbers cost 1/-. Late advertisements will be held over to following week.

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wanted, preferably with sugar coating experience by important Pharmaceutical Manufacturers near London, to take charge of Tableting Plant (Rotary and Single Punch Machines). Write, giving full particulars of past experience and salary expected, in confidence. Box 496, Smith's 100 Fleet Street, E.C.4

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5 lb. **BATH TALCUM**, 12/6, tax 4/2, all.
1 lb. **ROUGE POWDER**, 20/6, tax 6/10, all.
Terms: C.W.O. or C.O.D. 1/- extra.

HARMAN LABORATORIES, LTD.
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FOR THE
M.C., B.O.A., and N.A.O. DIPLOMA Examinations
particulars:—
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10 HIGH STREET, BARNET, LONDON, N.

OFFERED

Liquid Soap, Perfumed, 5 gallons, 40/-, drums included (Tax paid); French Chalk, Gen. Superfine, 100 lb., 26/-; Snow-white Calcine Talc (Cosmetic Quality), cwt. 30/-; Kaolin, B.P., Opt., 1½ cwt., 31/3, d/d.; White Fullers Earth, cwt. 25/-; Gum Karaya, Pulv., best White, cwt. 5/- lb.; Gum Tragac., Pulv., White II, cwt., 11/- lb, d/d.; Green Soft Soap (Hairdressing, etc.), 60/- cwt, keg; Yellow Beeswax; Acetone; Amyl Acetate; Zinc Oxide, B.P., and Stearate; Phenacetin; Stearic Acid Powder and Soft; Soap Powder; Creta Praecip., 98%. Any want quoted. Cwt. prices on application. No broken bulk.

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SITUATIONS OPEN

7/6 for 40 words or less, 2d. for every additional word.

None of the advertisements below relates to a woman between 20 and 30 years unless such woman has living with her a child of her own under the age of 14; or is registered under the Blind Persons Acts; or has a Ministry of Labour permit to allow her to obtain employment by individual effort.

RETAIL (HOME)

ASSISTANT, active, exempt military service, N.H.I. Dispensing; old-established business. Please state age and the usual particulars. Butlers, 42 Old Market Street, Bristol.

ASSISTANT Dispenser wanted. Give full particulars to Strachan, Chemist, 108 Broomham Road, Bedford.

ASSISTANT Pharmacist required, temporary basis. Salary £225 per annum, rising £10 annually to £275 per annum. Applications, stating age, experience and enclosing copies of recent testimonials, to be sent to the Medical Superintendent, Wellhouse Hospital, Barnet, Herts.

ASSISTANT, Unqualified, either sex, with pleasant counter manner, reliable dispenser, and preferably good window-dresser. Permanency with good progressive salary, other staff kept. London western suburbs. Apply, in confidence, with particulars. 401/688, London Office of this Paper.

BRISTOL, Qualified Assistant, lady or gentleman (deferment assured); reliable Dispenser with pleasant counter manner, for middle-class business chiefly N.H.I. Dispensing and quick counter trade. No Sunday or half-day duty. Permanency. State salary, photograph if possible. 399/645, London Office of this Paper.

CENTRAL LONDON. Excellent opportunity in small but busy Business for First-class Qualified Assistant, male or female, not liable for military service. N.H.I. and General Counter Trade. Permanency, with good prospects and wages. Half-day off during week and no Sunday duty. Write, stating age, experience and salary required to 401/696, London Office of this Paper.

CHEMIST-OPTICIAN.—Chester Co-operative Society, Ltd. Wanted Departmental Manager and Buyer for progressive Pharmacy and Optic Department. Temporary position with prospect for suitable man. Good wages and condition Applications, stating age, experience, qualification and present position, together with two recent testimonials, to General Manager, 3 Forest Street, Chester. Endorse envelope "Chemist."

DISPENSER-SECRETARY required at one South-west Town. Partnership practice Drs. Unwin and Mitchell, Kingston House, Yeovil.

LEWIS & BURROWS have vacancies for men and women Assistants. Qualified and Unqualified. Apply, in writing, to 146 Holborn, London E.C.1.

LADY or Gentleman (Qualified) required immediately for appointment as Director and Qualified Superintendent of Company in North London. Good prospects. No Sunday duty. Apply, CDB/988 London Office of this Paper.

OFFERED to elderly Chemist, Rooms Furnished or Unfurnished at very moderate terms, for very easy business assistance, shop. S.E. London 401/697, London Office of this Paper.

QUALIFIED, Experienced Assistant required. Lady or gentleman able to take charge of Dispensing, etc. Particulars of experience, salary and references to Bockham, Gt. Sheffield, N. Cambridge.

QUALIFIED Gentleman or Lady wanted for high-class agricultural and family business young and exempt for preference. M. O. Bull 15 North Bar Street, Beverley, Yorks.

QUALIFIED and Unqualified male and female Assistants required for holiday relief. Apply in writing, stating age and experience, to the Station Manager, Royal Arsenal Co-operative Society Limited, 113 Powis Street, Woolwich, S.E.1. Endorse envelope "Pharmacy."

REQUIRED early, Qualified Assistant, lady or gentleman to manage shop. Reception area. State usual particulars to J. E. Wahmsley, Merstham Surrey.

ROBERTS & CO., 76 New Bond Street, London W.1, require Qualified Dispenser. No late or Sunday duties; permanency; refugee pharmacist considered. Apply by letter, with photo, experience and age.

AYLORS BRITISH CHEMISTS will shortly have Vacancies for Qualified Managers and Assistants, male or female, in Durham, Midlands, Leeds, Cleethorpes. Applicants should state in their letter most suitable day for interview. Write to Staff Dept., Burley Hill, Leeds, 4.

AYLORS BRITISH CHEMISTS have Vacancies for Qualified Managers and Assistants in Glasgow and other parts of Scotland. Please give full particulars in first letter, stating best time and day for interview to Austin, 1 St. Enoch Square, Glasgow, C.I.

UNQUALIFIED Assistant (either sex) for light Dispensing and Counter. High-class business, 5 hours. Fare paid from Ireland or anywhere in British Isles. Send full particulars, testimonials, salary, date free and snapshot first letter. Raymond Smith, 2 Cliff Road, Newquay, Cornwall.

UNQUALIFIED. A vacancy exists at our Cambridge branch for an Unqualified Assistant (male or female) with Dispensing experience. Good salary, commission; permanency. Apply in writing The Retail Drug Department, Timothy Whites & Sons, Ltd., 70 Vauxhall Bridge Road, London, W.1.

UNQUALIFIED. Vacancies exist in our branches at Dartford and Gillingham for Unqualified Assistants (male or female) with Dispensing experience. Good salary, commission. Permanency. Apply in writing to the Retail Drug Department, Timothy Whites and Taylors, Ltd., 70 Vauxhall Bridge Road, London, S.E.1.

WANTED. Competent Assistant for good-class country business. No Sunday or Holiday duty. Wage and salary required. H. Meynell, Tenterden, Kent.

WANTED immediately. Qualified Manager to take charge of an Agricultural business. 699/401, London Office of this Paper.

WANTED immediately, qualified Pharmacist for country Pharmacy. Good house within two miles of business. Salary, £6 weekly. Apply, 690, London Office of this Paper.

WHOLESALE

FIRST-CLASS. Position available for responsible Representative in (a) South London, and southern counties for nationally-advertised pharmaceutical product. Car essential. Position offers adequate salary, expenses and commission, and is of a permanent character. Applications in confidence to 401/693, London Office of this Paper. Our present Staff are aware of this announcement.

MANAGER Filling Department required North of England. Technical qualifications and experience. Large-scale packing work essential. Write, 1/989, London Office of this Paper.

REPRESENTATIVE having established connection with Retail Chemists in Yorkshire, Durham and Northumberland required by firm marketing nationally advertised proprietary lines. Salary, commission, and expenses. Write, stating age, past experience, and whether car owner. Box 591, Mitchell & Co., Ltd., 1 Snow Hill, London, E.C.1.

REQUIRED Laboratory Assistant for Manufacture of Manicure Preparations, etc. Exempt service. Qualified retail Chemist willing to learn would be suitable. 401/691, London Office of this Paper.

TABLET Maker required to take charge of Tablet Department. Firm on essential work. Applicant, who should have knowledge of coating, must details of experience and salary required to Director, Hirst Brooke & Hirst, Ltd., Sheepscar, Leeds, 7.

TABLET Maker wanted, fully experienced. Send full details. 401/685, London Office of this Paper.

TABLETTER wanted, preferably with sugar-coating experience, by important Pharmaceutical Manufacturers near London, to take charge of Tableting Plant (rotary and single-punch machines). Write, giving full particulars of past experience and salary expected, in confidence, Box 495, Smith's, 100 Fleet Street, E.C.4.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word.

None of the advertisements below relates to a woman between 20 and 30 years unless such woman has living with her a child of her own under the age of 14; or is registered under the Blind Persons Acts; or has a Ministry of Labour permit to allow her to obtain employment by individual efforts.

RETAIL (HOME)

CHEMIST, unqualified, requires good progressive post. Thoroughly experienced Wholesale and Retail. Good Dispenser. Exempt military service. Married. Replies, Bates, c/o 13 Milwain Road, Levensholme, Manchester.

LADY, Unqualified, seeks position. Town and country experience. Good references. Free now. 401/689, London Office of this Paper.

WHOLESALE

ADMINISTRATIVE position required by experienced Pharmacist (exempt) with London or Home Counties Drug House. Highest references. 401/695, London Office of this Paper.

EXPERIENCED Pharmacist, age 47. Ex-Serviceman desires a change. Company trained; ex-proprietor, bombed out late 1941. Specialises in organisation, salesmanship, display, buying, staff control, and general business progress; Wholesale or Retail. Not interested in actual Dispensing, preferring the commercialised to the professional. 401/694, London Office of this Paper.

NATIONALLY important work with firm of standing required by active man under 40, exempt military service. Several years inside and outside sales work. Clean licence and record. Prospects of advancement more important than initial salary. London, South or Midlands preferred. CDB/990, London Office of this Paper.

QUALIFIED, 48, released from military service, thoroughly experienced both Wholesale and Retail. Competent, not afraid of responsibility, good personality; seeks permanent appointment with first-class House. Excellent references obtainable, interview any time. Write: Medica, Clevedon, West Drive, Streatham Park, London, S.W.16.

REPRESENTATIVE old-established connexion, present house 15 years, South-West England, part Midlands, requires good class lines. Commission basis. Drugs, Packed Chemists' lines, Proprietaries, etc. CDB/991, London Office of this Paper.

REPRESENTATIVE, 20 years' Sales experience, with live connexion among chemists in Lancashire, Cheshire, North Wales and Isle of Man, desires post with reputable manufacturing house. Exempt military service. Highest references. CDB/984, London Office of this Paper.

UNQUALIFIED Man (Irish), over military age, anxious to hear of vacancy. Experienced all branches, Wholesale and Retail. E. O. Flynn, Liscarroll, Mallow, Eire.

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LADIES' Toilet Mirror, in Solid Leather Case. Glass size, 3½ in. × 2½ in. Price, 10s. dozen, plus 3½ per cent. tax, postage paid. Sample sent on receipt 1s. 3d. Clarke & Co., 35 Thetford Road, Ashford, Middlesex. Telephone 3012.

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SECOND-HAND Microscopes. A large selection: instruments for all purposes, best makers; faultless condition; 3d. stamp for List. Chards, Specialists, Forest Hill, London, S.E.23.

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NORTH LONDON. Very old-established Chemist's Business for Sale. Present rental £100 per annum. New Lease will be granted at special rate for War period. Excellent living accommodation. For further particulars apply, Parkin S. Booth, Kimberley House, Holborn Viaduct, London, E.C.1.

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ADVERTISER wholesaler wishes to contact registered manufacturer of face powder, bath crystals, perfumes, nail varnish. Also requires ½-oz to 16-oz. jars and bottles, suitable haircream, brilliantine, nail varnish, etc. 398/604, London Office of this Paper.

OILS or Fats and Glycerine, also Block Stearine wanted. Box 56, Pool's Brettenham House Lancaster Place, W.C.2.

REQUIRED 10-20 gross ½ oz. Round, Screw-neck Bottles, about 3¼" × ¾", green preferred, with do. bakelite caps. Sample and lowest price to G. Ashle & Co., 104 Christchurch Road, London, S.W.2.

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SACCHARIN Tablets wanted. Any quantity Write Dewhurst's, 63 Queen Street, Grea Harwood.

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WANTED. Bottles, 6-oz. Flat or Round, in large or small quantities. Regular supplies can be taken. Particulars of quantities and price to Selma (Chemical) Co., 1 Newton Street, London, W.C.2.

WANTED TO PURCHASE.—Granulating mixer and coating pan for tablet manufacture. New or secondhand. Box No. 794. Spottiswoode Regent House, Kingsway, W.C.2.

WANTED Urgent.—Stearic Acid, Liquid Paraffin, White Technical Oil, Glycerine, White Beeswax, Powdered Henna, White Petroleum Jelly. Any quantities; good prices paid. Reply to "Chemist," 42 Northfield Terrace, Lovell Road Leeds, 7.

WANTED to Buy, small secondhand Laboratory Equipment. Offers to Gale & Mount, Ltd Carlton House, Lower Regent Street, S.W.1.

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